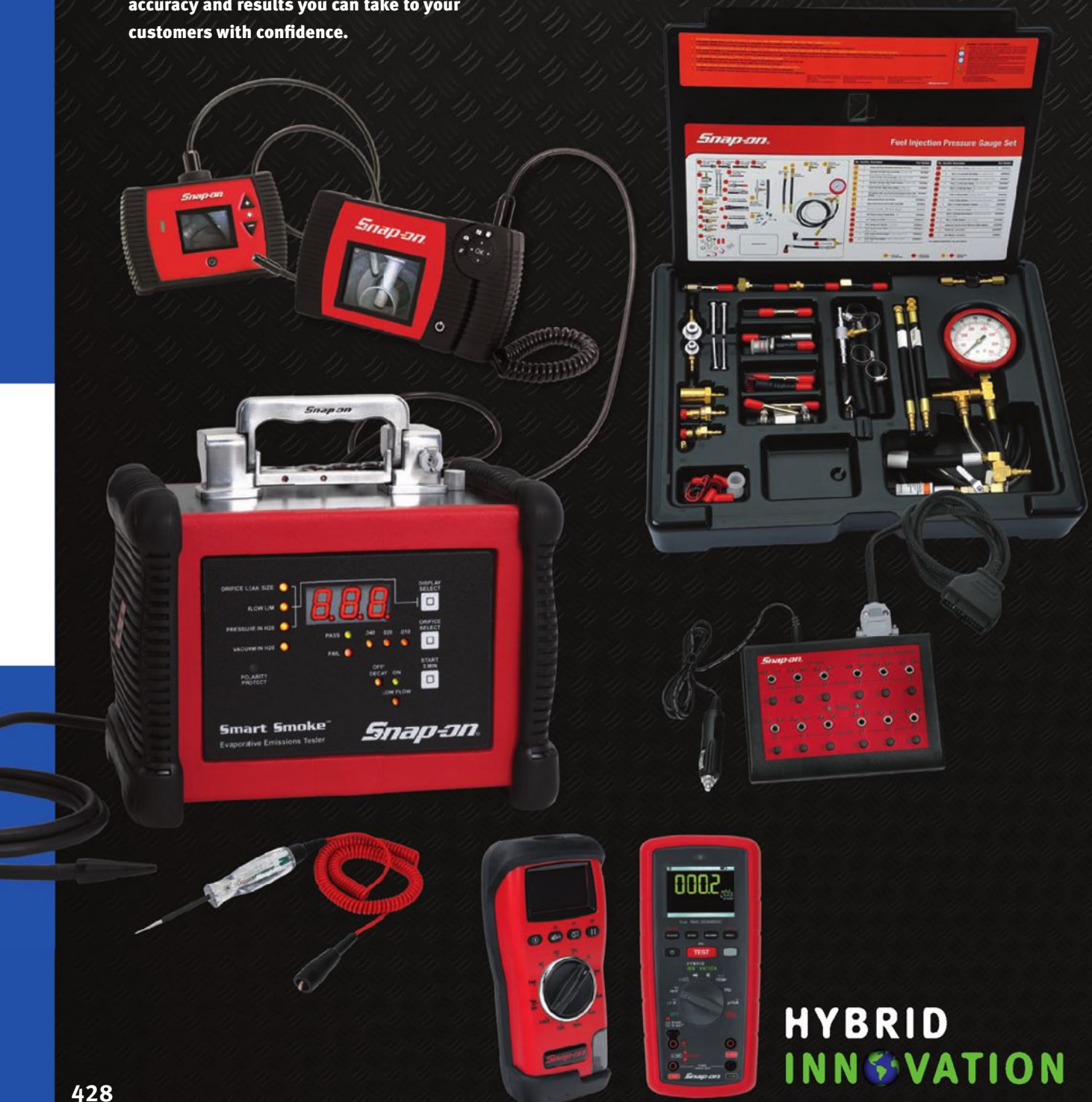
Enhance Your Senses.

Whether its getting a closer look at a problem with a videoscope, detecting the slightest engine noise with a listening device or diagnosing a complex electrical problem with a multimeter, Snap-on gives you capabilities to see, hear and analyze. They deliver pinpoint accuracy and results you can take to your customers with confidence.

Measure and Detect.

Problems come in many forms. Snap-on helps reduce the time and effort it takes to find the source, whether it s related to amps, volts, HC, CO2, CO, O2, NOx, degrees, grounds, short or open circuits, watts, rpm, decibels, compression, cylinder leakage or vacuum.



Videoscopes

BK6000

BK6000 Video/Still Recording Digital Borescope.

- Records and plays back still images and video clips
- 3 1/2" display offers large viewing screen and 2x digital zoom
- Removable, rechargeable Li-ion battery pack
- Can operate BK6000 while charging the battery
- Easy to use, multi language interface
- Mini USB connector for uploading images and video
- External SDHC card slot
- Control handle disengages to allow greater maneuverability
- Audio input jack for recording comments with optional ear bud and microphone attachment
- CE

BK6000/BK5500A Applications:

- Ideal for engine, A/C, under dash, suspension and transmission work
- Inspect cylinder bores and valves through the spark plug hole
- Examine for gear wear in differentials and manual transmissions
- View inside door and body panels to check for malfunctions, defects and hidden damage
- Inspect under dash for electrical routing, HVAC actuator operation and radio code verification
- Locate fluid leaks without a direct line of sight

BK5500A

BK5500A Video Inspection Scope.

- Time saving inspection tool:
  - Ideal for engine, A/C, under dash, suspension and transmission work
- Simple to use:
  - Single On/Off button and battery indicator
  - Convenient thumb control for LED light intensity
  - 8.5 mm diameter imager head fits into most spark plug holes
  - High intensity LEDs direct light where it is needed
  - 36" long obedient shaft for added reach
  - .75" shaft bend radius for great flexibility
- Excellent image quality:
  - 320 x 240 display resolution
  - 720 x 480 imager resolution when using the video-out port to an external monitor
  - 2.4" color LCD provides a larger viewing image than eyepiece borescopes
  - Close focus range from 0.5 to 12"
  - Video out port
- CE

BK6000/BK5500A Shared Features:

- 8.5 mm diameter imager head fits into most spark plug holes
- High intensity LEDs direct light where it is needed
- 36" long obedient shaft for added reach
- 3/4" shaft bend radius for great flexibility
- 320 x 240 display resolution
- 720 x 480 imager resolution when using the video-out port to an external monitor
- Close focus range from 1/2 to 12"
- Quick change connector enables use of optional length, specialized purpose imagers
- Integrated stand and hanger for flexible positioning

BK5500-7

BK5500-9

BK5500-10

BK5500-12

BK5500-13

BK5500-15

Stock No.	Description	Included with BK5500A	Included with BK6000	Accessory for BK5500A	Accessory for BK6000
BK5500-1	36" Imager (8.5 mm head)	•			
BK5500-2	Mirror and Magnet	•	•		
BK5500-6	Blow Molded Case			•	
BK5500-7	72" Imager (8.5 mm head)			•	•
BK5500-8	Video Out Cable	•			
BK5500-9	120" Imager (8.5 mm head)			•	•
BK5500-10	36" Blue Light / UV Imager (8.5 mm head)			•	•
BK5500-12	Dual Imager (mm head)			•	•
BK5500-13	36" View Imager (5.5 mm head)			•	•
BK5500-15	30" Dual Imager (12.5 mm head)			•	•
BK6000-1	Battery, Li-ion		•		
BK6000-2	S-Hook		•		
BK6000-6	Blow Molded Case		•		
BK6000-10	Battery Charger		•		
BK6000-11	Earbud and Microphone				•
BK6000-12	USB Cable		•		
BK6000-13	Kick Stand		•		
	(4) AA Batteries	•			
	Warranty	2 years	2 years		
	Instruction Manual	•	•		

CE

WARNING

- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

Select the Meter For Your Needs

7 Year Limited Warranty

CHECK YOUR NEEDS

Specifications	✓	EEDM596DK	EEDM525D	EEDM504D	EEDM503D
Certificate of Calibration Model		EEDM596DCRT		EEDM504DCRT	
Display Count		40,000	4,000	4,000	2,000
AC Volts		750	750	750	750
DC Volts		1,000	1,000	1,000	1,000
Basic DC Accuracy		0.10%	0.50%	0.50%	0.50%
AC Amps		10	10	10	10
Micro Amps		Yes	Yes	Yes	Yes
DC Amps		10	10	10	10
True RMS (Root Mean Square)		Yes	Yes		
Resistance		40M Ohm	40M Ohm	40M Ohm	20M Ohm
Capacitance		Yes	Yes	Yes	
Frequency		Yes	Yes	Yes	
Insulation Test		No	No	No	No
Analog Bar Graph		Yes	Yes	Yes	
Auto Range		Yes	Yes	Yes	
Data Hold		Yes	Yes	Yes	Yes
Min/Max		Yes	Yes	Yes	
Backlight		Yes	Yes		
Auto Power Off		Yes	Yes	Yes	
RPM (*opt.)		Yes	EEDMRPMG*	EEDMRPMG*	EEDMRPMG*
Adj. Trigger Level		Yes			
Noise Red. Circuit		Yes			
Temperature (*opt.)		Yes	Yes	EEDM506C*	EEDM506C*
Duty/Dwell		Yes	Duty Only	Duty Only	
mS Pulse Width		Yes			
Comp. Output (USB)		Yes, Included			
UL Listed		cULus 61010-1	cULus 61010-1	cULus 61010-1	cULus 61010-1
CAT Rating		CATII 750 V AC CATIII 1000 V DC CATIII 600 V AC/DC	CATII 750 V AC CATIII 1000 V DC CATIII 600 V AC/DC	CATII 750 V AC CATIII 1000 V DC CATIII 600 V AC/DC	CATII 750 V AC CATIII 1000 V DC CATIII 600 V AC/DC
Easy Open Battery and Fuse Door		Yes	Yes	Yes	Yes
Glitch Capture		Yes			
Low Pass Filter (LPF)		Yes	Yes		
Blown Fuse Identifier		Yes	Yes	Yes	Yes
Dimensions (w/Boot), inches		7 3/4 x 3 3/4 x 1 1/2	7 3/4 x 3 3/4 x 1 1/2	7 3/4 x 3 3/4 x 1 1/2	7 3/4 x 3 3/4 x 1 1/2
Case		MT586BK1	MT586BK1	EEDM503B3	
Replacement Fuses		EEDM504B1 EEDM504B2	EEDM525D6 EEDM525D7	EEDM504B1 EEDM504B2	EEDM503B2 EEDM504B2

CE
*Certified and UL listed

TECHNICAL SUPPORT
1-888-382-6522

Digital Multimeters

HYBRID INNOVATION

7 Year Limited Warranty on Snap-on® meters

5 Year Limited Warranty on Blue-Point® meters

CHECK YOUR NEEDS

EEDM604C	EEDM650C	MT454C**	MT501C**	MT574C**	Specifications	✓
	EEDM650CCRT			MT574CCRT	Certificate of Calibration Model	
50,000	4,000	4,000	2,000	4,000	Display Count	
1,000	1,000	600	600	600	AC Volts	
1,000	1,000	600	600	600	DC Volts	
0.05%	±0.1% + 2 digits	0.50%	0.75%	0.30%	Basic DC Accuracy	
10	400mA			400mA	AC Amps	
Yes	Yes				Micro Amps	
10	400mA			400mA	DC Amps	
Yes	Yes				True RMS (Root Mean Square)	
(plus conductance)	40M Ohm	40M Ohm	2K Ohm	40M Ohm	Resistance	
Yes	Yes				Capacitance	
Yes	Yes				Frequency	
No	Yes	No	No	No	Insulation Test	
Yes					Analog Bar Graph	
Yes	Yes	Yes		Yes	Auto Range	
Yes	Yes		Yes	Yes	Data Hold	
Yes	Yes			Yes	Min/Max	
Yes	Yes				Backlight	
Yes	Yes	Yes		Yes	Auto Power Off	
EEDMRPMG*	EEDMRPMG*		EEDMRPMG*	EEDMRPMG*	RPM (*opt.)	
					Adj. Trigger Level	
	Yes				Noise Red. Circuit	
MT586B	Yes		EEDM506C*	EEDM506C*	Temperature (*opt.)	
					Duty/Dwell	
Yes					mS Pulse Width	
					Comp. Output (USB)	
cULus 61010-1	cULus 61010-1	cULus 3111	cULus 3111	cULus 3111	UL Listed	
CATIII 1,000 V CAT IV 600 V	CATIII 1,000V CAT IV 600V	CATIII 600 V	CATIII 600 V	CATIII 600 V	CAT Rating	
Yes	Yes				Easy Open Battery and Fuse Door	
Yes	Yes (0.25 mS)				Glitch Capture	
	Yes				Low Pass Filter (LPF)	
Yes	Yes				Blown Fuse Identifier	
3 13/16 x 8 x 2 13/32	9 x 4 1/4 x 2	6 x 3 x 2	6 x 3 x 2	6 x 3 x 2	Dimensions (w/Boot), inches	
MT586BK1*	MT596AK1				Case (*optional)	
EEDM604C1 EEDM604C2	EEDM604C1			EEDM504B1	Replacement Fuses	

CE

*Certified and UL listed

*** Blue-Point*

TECHNICAL SUPPORT
1-888-382-6522

WARNING

- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

Digital Multimeter Accessories

EETA501C

EETA501C Clamp on Amp Probe.
- Measures AC and DC currents greater than 10 A without breaking the circuit
- Ideal for measuring starter (A) and automotive current draw
- Used with DMMs that have 2 V and 200 mV AC and DC ranges
- Range: 0 to 20 A on 200 mV AC or DC, 0 to 400 A on 2 V AC or DC

EETA502C

EETA502C Clamp on Amp Probe.
- Similar to EETA501C except range is 0 to 2,000 A AC or DC

EETA503C

EETA503C Low Current Adaptor.
- AC/DC low current adaptor for digital multimeters with DC mV Range and 10 mA impedance
- Measures parasitic current draw on battery cable when key is in off position to indicate component failures or shorts
- Quickly measures branch circuit draw to isolate problem area
- Safely measures current draw of electrical fuel pumps
- Measures from 10 mA to 60 A

EEMD5030

EEDM5030 Pressure Adaptor.
- Measure pressure from 1 to 500 psi and vacuum from 1 to 29 inHg
- Output is 1mV DC per psi or inHg
- Ideal for measuring transmission or hydraulic pressure
- 1/4" NPT fitting on pressure transducer
- Sensor compatible for air or liquid
- 6 1/2' cable length

EEDMRPMG

EEDMRPMG Gasoline Engine RPM Adaptor.
- Ideal for small, single cylinder, 2 and 4 stroke gas engine applications
- Use with any digital multimeter that has DC mV ranges to measure gasoline engine rpm
- Plug adaptor into DMM (set to DC mV function), clip lead above engine spark plug boot and multiply reading by 10
- Range is 300 to 6,000 rpm
- Output is 1 DCmv per 10 rpm
- Powered by 9 V battery (included)

EEDM575D

Specifications	EEDM575D
Display Count	11,000
AC Amps	400
AC Volts	600
DC Amps	400
DC Volts	600
Basic DC Accuracy	0.5%
Frequency	10 KHz
Resistance, ohms	110M
Dimensions, (L x W x H) inches	10" x 1 3/8" x 2 1/2"

EEDMRPMD

EEDMRPMD Diesel Engine RPM Adaptor.
- Ideal for small diesel engine applications
- Measures diesel engine rpm
- Plug adaptor into the DMM (set to IP), attach transducer to fuel line leading to an injector and read rpm on the meter
- Range is 300 to 4,000 rpm
- Resolution is 1 rpm, powered by 9 V battery (included)

EEDM5997

EEDM5997 DMM RPM Adaptor.
- For motorcycles, outboard motors, snowmobiles and ATVs with limited or no ignition shielding
- Use with 2 or 4 stroke engines
- Internal circuitry filters out noise
- Pick up features dual tapped coils to help eliminate errors on negative polarity ignitions

EEDMDVA

EEDMDVA Direct Voltage Adaptor.
- Converts outboard marine, motorcycle and other small engine ignition pulse signals into DC voltage signals
- Adaptor helps identify secondary ignition problems like failed individual coil packs or poor spark

EEDM5830

EEDM5830 Amp Adaptor.
- Allows DMMs to accurately measure up to 30 A AC/DC by converting the signal to millivolts
- Measure current draw of individual circuits from fuse box on automobiles, trucks and buses
- Measure the parasitic load on the battery
- Requires no internal/external power supply
- Range of 0 to 30 A

EETA106B

EETA106B Inductive Pick Up (Blue-Point®).
- Nonintrusive pickup slides over to secondary ignition spark plug wire and snaps shut for quick hook-ups without directly connecting to ignition circuit
- Used on most engines with 2 and 4 cycle ignition systems including small engines and waste spark systems

Digital AC/DC Clamp On Meters

EEDM575D Digital Clamp On Meter.
- True RMS meter that provides accurate measurements of nonlinear current
- Designed to measure starting current to 400 A, as well as volts, resistance and frequency
- Use to diagnose wheel speed sensors, injector control signals, cam and crank outputs, test cables, connections and fuses LCD display and analog bar graph enhance viewing of fast signal changes
- Records maximum and minimum values of RMS current, frequency or other measurements with Min/Max/Rec function
- Meets UL®, IEC and cULus61010 safety standards
- Includes test leads, temperature probe, soft carrying case, battery and instruction manual

Temperature Probes and Adaptor

EEDM506D Temperature Adaptor.
- Adds temperature capabilities to multimeters that do not have built-in temperature functions
- Provides dual temperature and differential temperature measurements for multimeters
- Output equals 1mV per degree
- Use with any multimeter with 200 mV DC and/or 2 V DC ranges
- Provides readings from -50 to 1,800 °F. Includes 2 beaded K-type temp probes. Low battery indicator light. Accuracy: ±0.75% of full scale + one digit

EETH501C Temperature Probe. Measures temperature in fluids and soft materials.
EETH502B Temperature Probe. Measures surface temperatures. 8" tip.
EETH503B Temperature Probe. Measures air temperatures. 8" tip.
MT586B1 Temperature Probe Meter Adaptor. Use for most contact, air or liquid measurements. Flexible cable.

EEDM506D

EETH501C

EETH502B

EETH503B

MT586B1

MTTL501

MTTL501 Probe Extension.
- 8" probe extension for EEDM504B3
- Reach connectors under dash or deep in engine compartment
- Alligator clips (not included) screw on to probe ends
- Fully insulated for user safety

EEDM504B3

EEDM504B3 Test Lead Set w/Alligator Clips.
- Standard vinyl jacketed set of test leads with screw on alligator clips for basic application testing needs
- Screw on probe protectors limit the metal probe shaft from touching during testing for safety (remove the protectors when using alligator clips or adaptors)

MTTL7005PK

MTTL7005PK Backprobes.
- Color coded for easy identification
- Bendable stainless steel tips
- Nonintrusive probes slide behind terminals
- Modular ends attach quickly

MTTLBOOT Replacement Boot Kit.
5 red, 5 black, 5 green, 5 blue and 5 gray.

MTTL504

MTTL504 Fused Test Leads.
- 48" fused test leads help protect unfused digital multimeters from electronic damage
- Provides additional protection when measuring high voltage
- Includes test lead set with alligator clips and 5 extra fuses
- Overall length is 48"

MTTL5041 5 A Fuses.
- 3 pack of replacement 5 A fuses for MTTL504 fused test leads

EETA107B

EETA107B Shielded Test Lead.
- Shielded test leads block out radio frequency interference (RFI)
- 6' leads are heat and oil resistant

EETA108B

EETA108B Shielded Test Lead.
- Shielded test leads block out radio frequency interference (RFI)
- 10' leads are heat and oil resistant

MTTL502

MTTL502 Insulation Piercing Test Probes.
- Use probes on threaded probe tips
- Banana adaptors included so probes can be used on banana plug lead sets

TL2A

TL2A Test Lead Set.
- High grade test lead pair fits all meters using standard banana plug jacks
- Nonslip prodding probes have stainless steel points
- Coiled cords stretch to more than 60"
- Screw on alligator clips convert the leads to jumper wires

TL3A

TL3A Test Leads.
- Heavy duty pair of jumper leads
- Use to connect a power source or a ground to test a fixture in automobile
- Heavy duty alligator clips feature the “bed of nails” concept
- Banana plug screws allow use with most multimeters

TL4A

TL4A Multimeter Test Leads.
- High grade test leads offer excellent coil memory and can be used with most popular test meters
- Leads feature the “bed of nails” concept, wire piercing probe and alligator style all in one tips

WARNING
- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

Test Leads

TLS7B

TLS7B Test Lead and Adaptor Kit.
- Quick attach probes and mini alligator clips press onto the straight PVC jacketed lead set
- Threaded hook clips, standard plugs and alligator clips thread onto the probe ends
- Provides an economical set for conducting various tests

MTTL300

MTTL300 Test Lead Kit.
- 4 color coded test leads help reduce the chance of wrong connections
- Use as test lead, jumper wires or for shorting out components when performing ignition system tests
- Each lead is 4' long

MTTL301

MTTL301 Test Lead Kit.
- Contains 12", 18", 24", and 10' jumper leads
- Use as extension leads or for shorting out components when testing ignition

MTTL500

High Grade Test Leads (For Digital Multimeters)

MTTL500 Test Lead Kit.
- Interchangeable probes permits wider range of testing possibilities
- Right angle 48" long test leads are made from double insulated silicone super flex wire
- Spring hooks for use on 16 gauge and smaller bare wire
- Alligator clips for attachment to bolts and large wire conductors
- Spade terminals for use on terminal blocks and prods for probing wire ends

Stock No.	Description	MTTL500	MTTL600	MTTL700
MTA20	Prods - Modular	•		
MTA24	Test Leads Silicone Jacket - Modular	•		
MTA75	Alligator Clips - Medium - Modular	•		
MTA80	Spring Hooks - Modular	•		
MTA85	Alligator Clips - Heavy Duty - Flanged	•		
MTTL7001	Test Leads Silicone Jacket - Threaded			•
MTTL7002	Banana Plugs - Screw-on		•	•
MTTL7003	Alligator Clips - Large - Modular		•	•
MTTL7004	Insulation Piercing Prods - Modular		•	•
MTTL7005	Backprobe Adapters - Needle - Modular		•	•

MTTL800

MTTL800 Test Lead Kit.
Kit includes:

Stock No.	Description	Overall Length, inches (cm)	Tip Size, inches (mm)
MTTL7005PK	Back Probes	4 1/2 (11.5)	Diameter: 1/32 (1)
MTTL800-1	Modular Test Leads	48 (122)	Tip Ends: Modular push-on
MTTL800-3	Crocodile Clips	3 1/4 (8.3)	1/4 (7) x 1 1/4 (31.75)
MTTL800-4	Piercing Probes	3 1/4 (8.3)	1/4 (7) x 1/4 (7)
MTTL800-5	Grabbers 90	7 (17.8)	3/8 (10) x 1/4 (7)
MTTL800-6	Prods	5 (12.7)	1/16 (2)
MTTL800-7	Spring Hooks 90	7 (17.8)	3/16 (1)
MTTL800-PB	Storage Pouch	31 (78.7) Width: 10 (25.4)	N/A

CE

MTA70

MTA70 Alligator Clip Set.
- Screw on style alligator clips for use with EEDM504B3
- Do not use with MTA24

MTTL505

MTTL505 Grabber Lead Set.
- rabber leads slide in to grab wire or terminal ends in tight areas
- Recommended for use with MTTL500 modular test lead set or MTTL700 with the MTTL7002 screw on banana plug adaptors
- Use with any threaded test lead set using the MTTL7002
- Finger grip and plunger placement provides technician controlled placement of the jaws even under extreme conditions
- Jaw gripping pressure securely bites on the target terminal or wire
- Plunger and finger grip allow maximum jaw opening with minimum pressure for ideal placement, enabling a good contact
- Safety CAT III 1000 V, 10 A rating. cULus 61010 and IEC61010 listed

MTTL700

MTTL700 Test Lead Kit.
- Includes screw on banana plug adaptors, needle backprobe adaptors, large alligator clips and insulation piercing prods
- Test leads with interchangeable tips are 50" long
- Double insulated silicone wire is heat and flame resistant and flexible in extreme cold conditions

MTTL600

MTTL600 Test Lead Kit.
- Includes screw on banana plug adaptors, needle backprobe adaptors, large alligator clips and insulation piercing prods

Test Leads

TL616AO TL624AG TL648AR

TLR6B TLBR6B

High Visibility Jump Leads

TL Series High Visibility Jump Leads.

- High grade test leads offer the highest heat and oil resistance and exceptional coil memory
- Leads feature a removable "bed of nails" concept
- After removal, probe end with 8-32 brass thread allows use of other product accessories

TL616AO Test Leads. Hi-vis orange color, 16' extended length.
TL624AG Test Leads. Hi-vis green color, 24' extended length.
TL648AR Test Leads. Hi-vis red color, 48' extended length.

Intrusive Circuit Testing Adaptors

- High quality "bed of nails" wire piercing adaptors
- These alligator style clips allow circuit testing when back probing is not desired or practical

TLB6B Adaptor. Straight nose test clip with black boot.
TLR6B Adaptor. Straight nose test clip with red boot.
TLBL6B Adaptor. Straight nose test clip with blue boot.
TLBB6B Adaptor. 15 bent nose test clip with black boot.
TLBR6B Adaptor. 15 bent nose test clip with red boot.
TLBBL6B Adaptor. 15 bent nose test clip with blue boot.

YA1175KIT

TLS4A

Retractable Test Leads (Blue-Point®)

YA1175KIT Retractable Test Lead Kit.

- Includes YA1175
- Retractable test leads, YA1175-1 probes (pair), YA1175-2 alligator Clips (pair) and YA1175-3 spring hooks (pair)
- Retractable test leads pull out and stay at desired length
- Rewind test leads when not in use for compact storage
- 18 gauge copper wire and interchangeable tips
- CE

Battery Adaptor

TLS4A Battery Adaptor.

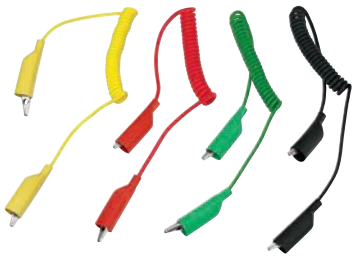
- 12 V accessory adaptor supplies power to circuit testers and scanners as well as to most other 12 V powered devices like car phones and lights
- Copper coated alligator clips with vinyl grips attach to battery terminals
- 3' cord length

Coiled Jump Leads

MTTL310 Coiled Jump Lead Set.

- 4 distinct colors facilitate easy identification of test circuits
- Crocodile clips on both ends securely grip terminal connections
- Coiled cord stretches to 48" (122 cm) for extra reach
- Coil cords recoil requiring minimum storage space and less tangling
- Heavy duty but flexible boots provide safety insulation and strain relief
- Soldered and clamped connections provide low signal loss and prolongs life

Stock No.	Coiled Length, inches (cm)	Stretched Length, inches (cm)	Crocodile Clip Opening, inches (cm)	Color
MTTL310-1	20 (51)	48 (122)	1/2 (1.27)	Black
MTTL310-2	20 (51)	48 (122)	1/2 (1.27)	Red
MTTL310-3	20 (51)	48 (122)	1/2 (1.27)	Green
MTTL310-4	20 (51)	48 (122)	1/2 (1.27)	Yellow



MTTL310

MTTL311 Coiled Jump Lead Set.

- 4 sizes facilitate various applications that make the job easier to complete
- Alligator clips on both ends securely grip terminal connections
- Coil cords recoil requiring minimum storage space and less tangling
- Heavy duty yet flexible rubber boots provide safety insulation strain relief
- Soldered and clamped wire connections to alligator clips provides low signal loss

Stock Number	Coiled Length, Inches (cm)	Stretched Length Inches (cm)
MTTL311-1	10" (25)	12" (30.5)
MTTL311-2	11" (28)	18" (46)
MTTL311-3	13" (33)	24" (61)
MTTL311-4	24" (61)	10 (305)

MTTL311

WARNING

- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

Circuit Testers

6 and 12 Volt Circuit Testers

- Used to detect power and ground, also to find shorts and breaks
- Patented Instinct® Handle for style and comfort
- Molded internal contact links with the LED assembly top dimple for low loss signal transfer
- Smart LED deign has more brilliant light output and longer life than traditional bulb
- Copper Clip is a superior quality component for maximum electrical signal transfer
- Low power consumption smart circuit design
- Convenient circuit board and spring assembly

EECT2H

EECT4H

EECT300HG

EECT300HR

EECT300HO

Specifications:	EECT2H	EECT4H	EECT300HG	EECT300HR	EECT300HO
Voltage	6 & 12	6 & 12	6 & 12	6 & 12	6 & 12
Cord Type/Color	Straight Cord/Black	Straight Cord/Black	Coiled Cord/Green	Coiled Cord/Red	Coiled Cord/Orange
Cord Material/Wire Gauge	Rubber/18	Rubber/18	PolyUrethane/18	PolyUrethane/18	PolyUrethane/18
Outside wire diameter, mm	4.0	4.0	4.0	4.0	4.0
Cord length, inches (extended)	70	70	135	135	135
Replacement Cord Assembly	EECTCORDBLS	EECTCORDBLS	EECTCORDG	EECTCORDR	EECTCORDO
Replacement LED and Spring Assembly/Color	EECT2HLED/White	EECT4HLED/White	EECT300HGLED/Green	EECT300HRLED/Red	EECT300HOLED/Orange
Handle Size/Color	Mini *Instinct*/Clear	Medium *Instinct*/Clear	Medium *Instinct*/Clear	Medium *Instinct*/Clear	Medium *Instinct*/Clear
Termial End	Heavy duty - copper clip	Heavy duty - copper clip	Heavy duty - copper clip	Heavy duty - copper clip	Heavy duty - copper clip
Replacement Clip	EECTCLIP2	EECTCLIP	EECTCLIP	EECTCLIP	EECTCLIP
Boot	EECTBOOT2	EECTBOOT	EECTBOOT	EECTBOOT	EECTBOOT
Stainless Steel Shank Length, inches	2	3 5/8	3 5/8	3 5/8	3 5/8

* Note: In low voltage situations LED light will not dim as significantly as incandescent bulb style.

TECHNICAL SUPPORT
1-888-382-6522

CE

EECT313H

EECT301H

EECT24H

EECT314H

EECT3HL

Specifications:	EECT313H	EECT301H	EECT24H	EECT314H	EECT3HL
Voltage	6 & 12	12 only	18 & 24	12 to 42	6 to 12
Cord Type/Color	Straight Cord/Black	Coiled Cord/Black	Straight Cord/Black	Coiled Cord/Black	Straight Cord/Black
Cord Material/Gauge	Rubber/18	PolyUrethane/Dual 18	Rubber/18	PolyUrethane/18	Rubber/18
Outside wire diameter, mm	4.0	4.5	4.0	4.0	4.0
Cord length, inches (extended)	70 plus 72" extension	125	70	125	70
Replacement Cord Assembly	EECTCORDBLJ	EECTCORDBLP	EECTCORDBLS	EECTCORDBL	EECTCORDBLS
Replacement LED Spring Assembly/Color	EECT4HLED/White	EECT301HLED/ Red (Power) Green (Ground)	EECT24HLED/White	EECT314HLED/ Blue (12-17 V) Red (18-42 V)	2-5130 Bulb
Handle style & size	Medium *Instinct*/Clear	Medium *Instinct*/Clear	Medium *Instinct*/Red	Medium *Instinct*/Clear	Mini *Instinct*/Clear
Termial End	Banana plug on terminal end	cigarette lighter adaptor	Heavy duty - copper clip	Heavy duty - copper clip	Heavy duty - copper clip
Replacement Clip			EECTCLIP	EECTCLIP	EECTCLIP
Boot			EECTBOOT	EECTBOOT	EECTBOOT
Stainless Steel Shank Length, inches	1	3 5/8	3 5/8	3 5/8	3 5/8
Additonal components	nonintrusive accessories and carrying case				
Replacement Carrying Case	EECT313HBAG				

* Note: In low voltage situations LED light will not dim as significantly as incandescent bulb style.

CE

CTS42V

Specialty Circuit Testers

CTS42V Circuit Tester (Blue-Point®).
- Quickly finds broken wires, blown fuses, bad switches and more
- Microprocessor controlled current loading capability for tests of powers and grounds
- Unit features all the advantages of an incandescent test light while being computer and air bag safe
- Super bright LED headlamp for working under dash, under hood or behind door panels
- Dual audible tone and bicolor LED indicate power, ground or open circuits
- 42 V

EEDMRACKM

EEDMRACKM
- Convenient rack to hold circuit testers, DMM lead sets, amp clamps, temperature probes and other accessories for multimeters
- Can be mounted to wall with screws or placed on rollcab with magnetic block

CTN10001

CTN10001 Circuit Tester.
- Cordless unit with no ground wire to deal with
- Red LED indicator and audio signal to verify power
- Computer and air bag safe
- 3 to 24 V DC range

YA11167

YA11167 OBD-II Breakout Box *(Blue-Point)*.
- Provides easy access to all 16 OBD-II terminals and connection to scan tool
- Eliminates guessing which terminals are being probed
- Eliminates damage to vehicle terminals from probing
- Tester probes plug in securely so you are free to diagnose
- No more crawling under the dash
- reat for diagnosing inoperative communication links

Dynamic Test Leads

EECT180 LOADpro® Dynamic Test Leads.

***LOADpro* finds these problems fast:**
- High corrosive resistance
- Shorts to ground
- Open circuits

Specifications:
- *LOADpro* applies 40 mA/V dynamic load with each load test
- Works with any DMM with standard banana plugs
- Test leads are 60" in length
- Alligator clips included
- For use on circuits up to 28.5 V
- Do not use on computer ECM input circuits
- *LOADpro* Dynamic Test Leads work with any DMM
- *LOADpro* performs a voltage drop test with press of a button
- Steady pin probe tips - small recess allows probe to sit on connector pin
- This simple test finds hidden problems, like corroded wire/connections, bad grounds
- Reading loaded voltage is the difference that helps prevent parts swapping episodes and cut wires
- Pressing the switch applies a load of 40 mA per volt across the circuit (example: 40 mA x 12 V = .48 A of load)
- Start doing voltage drop tests now
- Related item ESI182 trouble shooting guide (available through RWD)
- Automotive, Heavy duty, Marine, RV and equipment

EECT180

Data Bus Fault Finder

EEFF500 Data Bus Fault Finder.
- Modern vehicles have 15 to 20 computers talking to each other on shared circuits that can fail
- Technicians can waste hours searching for a serial data circuit failure or use this product
- The "go to" tool to diagnose scan tool communication failures
- User controlled elimination of modules to isolate defects and find failure location
- Eliminate rogue/defective modules that lock up data bus via 12 switchable data circuits
- LED indicators that light amber for short to ground and red for short to power, plus a self test upon powering on
- 12 standard banana jacks for DMM probing
- Communicates via Data Bus Network Connector
- U.S. Patent 7,664,579
- 2 year warranty

TECHNICAL SUPPORT
1-888-704-9201

EEFF500

EEFF500-1 GM Star Cable.
- M Star Cable for EEFF500 Data Bus Fault Finder

EEFF500-2 GM Double Stack Cable.
- M Double Stack Cable for EEFF500 Data Bus Fault Finder

EEFF500-3 Breakout/Pigtail Cable.
- Breakout/Pigtail Cable for EEFF500 Data Bus Fault Finder

EEFF500-4 DC Power Cord.
- Power Cord for EEFF500 Data Bus Fault Finder

EEFF500-PB Storage Case.
- Storage Case for EEFF500 Data Bus Fault Finder

WARNING
- Do not use in environment with explosive vapor
- Read safety precautions on pages W1 to W4

Circuit Testers (Blue-Point®)

EECT60660

EEFB310

EEFB315

Relay Kit

EECT60660 Deluxe Relay Test Kit.

- Kit makes testing relays or live circuits quick and easy
- Includes 8 jumpers to fit most popular relays
- Includes test lead kit for easily and securely connecting relay test jumpers to a multimeter
- Relay puller pliers easily remove electrical relays without damage to the relay or electrical box

Fuse Buddy Kits

EEFB310 Fuse Buddy® Pro Test Kit.

- reat tool for reading circuit amperage draws and troubleshooting up to 30 A
- Includes: 1 meter with 3 interchangeable test functions: 30 A MINI circuit current testing, 30 A ATC circuit current testing and 30 A all purpose current test
- Plugs directly into MINI and ATC fuse sockets
- Original fuse is replaced in line, thereby maintaining circuit protection
- Measuring range:0-30 A/48 V DC – 10 seconds
- Accuracy: ±2% of reading
- Resolution: 100 mA

EEFB315 Max *Fuse Buddy* Kit.

- MAXI circuit testing capability up to 80 A
- Works with ATC and MINI circuits (adaptors included)
- Unit features peak hold functions and one touch zero function
- Use on antilock brake circuits, car stereo circuits, power distribution circuits, marine and automotive branch circuits, rear window defogger circuits, solar power dc branch circuits, traction control circuits, solar charge controller circuits and heavy duty equipment circuits
- Amps: 0-80 A DC
- Resolution: 0.1 A
- Accuracy: ±2.0% of reading + 4 digits

YA111KITA

YA8006

YA8005

Short Circuit Locator

YA111KITA Relay Shorting Plug Kit.

- Plugs close normally open contacts and instantly determine which half of an output circuit is suspect
- Eliminates guessing which terminals to short
- Significantly reduces diagnostic time
- Kit works on all vehicles using standard 4 and 5 pin relays
- Avoids damage to relay socket as a result of probing

YA111-10A Relay Shorting Plug.

- 10 A

YA111-15A Relay Shorting Plug.

- 15 A

YA111-20A Relay Shorting Plug.

- 20 A

Fuse Savers

YA8006 Master Fuse Saver Kit.

- Dual type fuse box connector with 10' cord allows you to move around the vehicle shake testing wires while looking for the short
- No wasted fuses
- Includes: 5, 10, 15, 20 and 30 A resetting breaker handles, buzz alert module and 6 fuse adaptors
- Use when installing radios, CD players, radar detectors and other accessory equipment
- CE

YA8005 Fuse Saver Kit.

- Dual type fuse box connector with 10' cord allows you to move around the vehicle testing wires while looking for the short
- Includes: 10, 15 and 20 A resetting breaker handles
- Use when installing radios, CD players, radar detectors and other accessory equipment

Accessories

YA8005-EXT 10 E xtension Cord.

- 10' extension cord

YA8005-11 Buzz Alert Adaptor.

- Buzz alert sound module

Circuit Testers

YA8026

YA8027

YA8028

YA8029

TLT8003

TLT8000

TLT5

TLT6

TLT7

Trailer Harness Testers and Adaptors

YA8026 Towing Maintenance Kit.
- Use for 4/5 pin vehicle side circuit testing and cleaning
- Test, clean and repair truck and trailer connections
- reat preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: 4/5 pin tester, terminal cleaning tool and 2 mL tube of DeoxIT® electric contact cleaner
- Packaged in compact clamshell

YA8027 Towing Maintenance Kit.
- Use for 6 round pin vehicle side circuit testing
- Test, clean and repair truck and trailer connections plus light assemblies
- reat preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: 6 round pin tester, (2) terminal cleaning tools and 2 mL tube of *DeoxIT* electric contact cleaner
- Packaged in compact clamshell

YA8028 Towing Maintenance Kit.
- Use for 7 spade pin vehicle side circuit testing and cleaning
- Test, clean and repair truck and trailer connections
- reat preventative maintenance tool
- Extends harness life
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: 7 spade pin tester, (2) terminal cleaning tools and 2 mL tube of *DeoxIT* electric contact cleaner
- Packaged in compact clamshell

YA8029 Towing Maintenance Kit.
- Use for 7 round pin vehicle side circuit testing and cleaning plus 7 round pin connector cleaning
- Test, clean and repair truck and trailer connections
- reat preventative maintenance tool
- Use as a pin wear gauge on trucks and trailers
- Eliminate guesswork, reduce down time and improve safety
- Kit includes: YA3197B 7 round pin tester, IPA8024-AS1 and IPA8024-AS2 2 round pin terminal cleaners plus 2 mL tube of *DeoxIT* electric contact cleaner
- Packaged in compact clamshell

MTAC110

AC Voltage Sensor MTAC110

MTAC110 AC Voltage Sensor.
- Nonintrusive AC sensor detects voltage from 110 to 600 V AC
- Use to ensure the absence of current before working on a circuit
- Move probe tip along an insulated wire, near an outlet or near a circuit breaker and tip will glow if voltage is present

TLT8003 Trailer Plug Adaptor (Blue-Point®).
- Converts 12 V feed at the back of a truck or SUV trailer socket to a dual 12 V power outlet
- Powers 12 V test equipment, charging equipment and work lights in shop environment
- Recreation purposes such as running air pumps, radios or TVs while tailgating and camping
- Plugs into any 7 way spade pin trailer connection

TLT8000 3 Way Trailer Adaptor.
- Adapts 7 way connection to 6 round pin and 4/5 pin connections
- Sealed plugs to keep road debris from corroding connections
- Winged grip for easy installation and removal
- Use on medium/light duty trucks, 1/2, 3/4 and 1 ton pickups, campers and other heavy duty applications

TLT5 Trailer Harness Tester.
- Easily locates electrical problems in the tow vehicle
- Checks both 4 and 5 pin flat trailer connectors with LED indicator lights
- Tests left and right signals, brake lights and running lights

TLT6 Trailer Harness Tester.
- Checks 6 pin round trailer connectors with LED indicator lights
- Same applications as TLT5

TLT7 Trailer Harness Tester.
- Checks 7 pin round trailer connectors with LED indicator lights.
- Same applications as TLT5

YA3179B

YA3179B Circuit Chaser.
- Round pin circuit chaser for semi trailers
- Test the semi trailer plug and cable
- Both male and female ends so technician can isolate a fault to trailer or cable
- Can temporarily repair short circuits in the shop or on the road
- Includes: 5 jumper tabs and 1 replacement prong

Electrical Brushes

AC41C

AC41C Taillight Socket Brush.
- Stiff carbon steel wire bristles
- 6 5/8" long

WARNING
- Do not use in environment with explosive vapor • Use only in well ventilated area
- Read safety precautions on pages W1 to W4

Leak Detectors

EELD500

EELD500CVR

EELD500C02

EELD100

EELD100-4

EELD500-4

EELD100 Diagnostic Smoke Machine (EVAP).

- eneral purpose smoke machine

EELD100 Applications:

Oil leaks, E R valve, wind and water leaks, PCV valve and hoses, air cleaner assembly, mass air flow meter, vacuum switches, loose clamps, throttle body shaft, diaphragms, air valves, map sensors, exhaust manifolds, exhaust pipes and mufflers,vacuum hoses, intake gaskets, air ducts,carburetor base gasket, injector O-rings.

EELD100 Standard Accessories:

EELD301A2 Cap Plug Kit.
EELD301A3 Exhaust Cone Adaptor.
EELD301A4 Wind/Water Leak Adaptor.
EELD100-4 Combo Light.
EELD302A1 Nitrogen Hose (optional on EELD100).
EELD302A2 EVAP Port Adaptor (Standard Service).
EELD302A3 EVAP Port Adaptor (Ford® Service- optional on EELD100).
EELD302A4 Schrader Valve Core Tool.

Portable Diagnostic Smoke Machine

EELD500 Portable Smart Smoke® Machine.

- Portability, take it under and around vehicle with optional 14.4 V Ni-Cad or 18 V Lithium battery and operate using cordless remote control or connect to vehicle 12 V battery
- Necessity, 8 of the top emission DTC codes can be diagnosed with *Smart Smoke* technology
- Computerized digital readout displays leak sizes down to 0.001" - LPM and Pressure/vacuum in H_2O
- Smart, self calibrates for .010, .020, .040" and automatically preforms EVAP pass/fail test
- One touch EVAP testing with automatic pass or fail
- Low flow mode makes it easier to find leaks
- Vacuum port adaptor to diagnose Chrysler ESIM and NVLD systems
- Find leaks, the evaporative emissions diagnostic smoke machine delivers EVAP testing and general purpose applications
- Conveniently functions with OEM specified nitrogen, portable C02 bottle or shop air
- Patented UltraTraceUV® dye solution pinpoints leaks
- OEM approved smoke technology
- Smoke solution is safe and does not produce unpleasant odor in the shop
- Unit ships with enough smoke solution to perform 250 tests - EELD500-1
- 3 button control display select, Orifice select and Start
- Combo LED and UV light in one and remote control are included
- Convenient hanger for under car and under hood use
- Lightweight and compact stores in large bottom roll cab drawer or hang with optional cover to protect from shop dirt and dust
- Product support: 3 year warranty, instructional video SS3229
- Patents 6,526,808 6,439,031 6,392,227
- Other patents pending

Includes:

EELD500-1 8 oz Bottle of *UltraTraceUV* Dye Solution.
EELD500-2 Large Adaptor Cone.
EELD500-3 Vacuum Adaptor.
EELD500-4 Combination LED UV Light and Yellow Glasses.
EELD500-5 Removable Battery Clamp Lead Set.
EELD500-REM Remote Control.
EELD500-Z User Manual.
EELD301A2 Assorted Cap Plug Set.
EELD301A3 Exhaust Cone (1" x 3.5" Diameter/6" Long).
EELD301A4 Smoke Diffuser (for finding wind/water leaks).
EELD302A2 EVAP Service Port Adaptor Fitting - Standard Size.
EELD302A4 Dual Size Schrader Removal/Installation Tool.

Optional Accessories for EELD500:

EELD500C02 C02 Bottle and Regulator.
EELD500CVR Protective Cover.
CTC620 Battery Charger.
CTB4187 18 V Slide on Battery.
EELD500-1 Additional 8 oz Bottle of *UltraTraceUV* Dye Solution.
EELD500-6 2nd Smoke Hose.
YA4000B Vacuum Pump.
EELDGASCAP Gas Cap Adaptor (3 pack).
EELDGASBMW BMW Gas Cap Adaptor (1 each).

TECHNICAL SUPPORT
1-800-901-1988

Specifications	EELD500	EELD100
Power Supply	12 V DC	12 V DC
Power Consumption	12/18 V DC, 25 A	15 A
Supply Volume	10 l/min	10 l/min
Line Length/Smoke Supply, ft (mm)	8 (2.44)	10 (3)
Line Length/Power Supply, ft (mm)	8 (2.44)	10 (3)
Line Length/Remote Control, ft (mm)	50 Range	10 (3)
Weight, lbs (kg)	11.5 (5.25)	19 (8.6)
Dimensions, inches (mm)	12 W x 9 D x 12 H (310 H x 230 D x 310 H)	13 H x 13 L x 12 W (305 H x 330 L x 254 W)

CE

Evaporative Emissions Diagnostic Smoke Vapor Producing Machines - Feature Comparison

	EELD100	EELD500
Has patented STAR technology inside: the only OEM approvied smoke technology	•	•
Patented UltraTraceUV® dye solution: the only dye solution approved by any OEM, deposits dye at exact leak location	•	•
Designed with an electronic safety valve that automatically shuts off air flow into the vehicle s EVAP system every time the machine turns off. This stops gasoline fumes from possibly continually exiting the EVAP system and filling the work bay	•	•
Meets spec if OEM requires nitrogen to produce the smoke when testing the EVAP system and can use shop air for all other, non-EVAP leak testing	•	•
Approved for Flex Fuel vehicle testing	•	•
Pressure decay	•	•
Extra supply port for smoke or to apply vacuum to system being tested. EONV NVLD ESIM and other EVAP systems		•
One touch EVAP testing automatically combined and performs pass/fail test on EVAP systems with .010, .020 and .040"		•
Low flow pulsating mode finds leaks easier because its more effective than a steady low flow stream		•
Computerized digital display "orifice leak size" testing, down to zero leak size (capable of testing PZEV)		•
Computerized digital display pressure/vacuum in H2O for in depth diagnostic ability		•
Computerized digital display pressure/vacuum decay in H2O		•
Sleep mode with memory so you will not lose test results if machine shuts down after 8 minutes		•
Connect to car battery or go portable with 14.4 or 18 V Ni-Cad or lithium battery		•
Cordless remote		•
Warranty	2 year	3 year

EELDGASCAP1

EELD302REG

EELD302010

EELD500-1

EELDGASCAP1 Fuel Tank Filler Neck Adaptor (Blue-Point®).
- Quickly pops on virtually any filler neck
- Costly replacement seals are no longer needed
- One size fits all (new model vehicles may be subject to change)

EELDGASCAP Fuel Tank Filler Neck Adaptor.
- 3 pack of EELD ASCAP1

EELD302REG Gas Flow Regulator *(Blue-Point)*.
- 100 psi preset regulator guarantees proper operating pressure for any smoke machine
- Easily connects to nitrogen cylinder (optional)

EELDGASBMW Fuel Tank Filler Neck Adaptor.
- Single for BMW® vehicles

EELD302010 Upgrade Kit, .010.
- Follow the steps to install this kit into your EELR302B smoke machine
- EELD302B smoke machine will now measure leaks to .010"
- Includes solenoid assembly, o-ring and O'Keefe orifice

EELD301A1 *UltraTraceUV* Smoke Solution.
- *UltraTraceUV* brand scent-free smoke producing solution for use with EELD301A/EELD302B smoke machines
- Single 12 oz bottle

EELD500-1 *UltraTraceUV* Smoke Solution.
- Single 8 oz bottle

Carbon Monoxide Analyzer

MT706A Carbon Monoxide Analyzer *(Blue-Point)*.
- Monitor and test adjustments affecting carbon monoxide emissions from gas powered vehicles, propane powered forklifts plus other combustion style equipment
- Flow indication warns of restricted emissions flow due to clogged or pinched lines
- Backlit display for ease of reading in dim light
- Range is 0 to 10% CO (approx. 100,000 PPM)
- Response time is 90% of reading in less than 60 seconds
- CE

MT706A

TECHNICAL SUPPORT
1-888-382-6522

ACT790 Combustible Gas Detector. Find leaks in fuel and exhaust systems plus verify integrity of fuel storage containers. Detectable compounds include acetylene, iso-butane (R600a), methane, ethane (R170), propane (R290), hydrogen, acetone, methanol and gasoline. Probe length of 17". Uses (4) AA alkaline batteries. Conforms with SAEJ1627 and is designed to conform with SAEJ2791. Body length of 10 3/8". Includes storage case.
- Numeric leak size indicator
- Audio mute function
- Automatic calibration
- Comfortable neoprene grip
- Intrinsic safety certified
- 3 levels of sensitivity
- Flashing probe LED visual leak indicator
- Long life sensor
- High impact injected molded instrument case
- 2 year warranty on detector, 2 years on sensor
- CE

ACT790

WARNING
- Do not use in environment with explosive vapor • Use only in well ventilated area
- Read safety precautions on pages W1 to W4

Hand Held Gas Analyzers

HHGA5A Hand Held Gas Analyzer Kit (5 Gas).
Independent Hand Held 5 Gas Analyzer or use with MODIS™ Link, VERDICT® and VERUS™ Bluetooth link.

- Fully Portable 5 as Analyzer, go anywhere, use anywhere
- 110 V AC and 12 V powered
- Internal rechargeable battery, up to 1 hour use
- Ideal for road testing and mobile use
- Measures exhaust emissions for CO, CO_2 , HC, O_2, NO_x and AFR/Lambda
- Provides an instant assessment of an engine vehicle exhaust and catalytic converter
- *MODIS, VERDICT* and *VERUS* Link for enhanced real time viewing
- Add a 5 as Analyzer function to *MODIS, VERDICT* and *VERUS*
- Set up required with included software on USB stick
- ather all the evidence required for effective and accurate vehicle diagnostics on one screen in real time
- Now see the “Big Picture”
- as analysis
- Component tests
- Scope readings
- Digital graphing function
- Scanner results
- View, graph, save and recall data
- Monitor and reduce vehicle emissions, improve driveability and fuel efficiency
- Snap-on® HH A5A is truly handheld, about the size and weight of a DMM offering True Portability
- Links to *MODIS*, *VERUS, VERDICT* and other suitable *Bluetooth* devices
- There are 255 memory locations in the analyzer to track and print data for the same or many different vehicles
- HH A5A is compatible with gasoline, CN ,propane and diesel fuel types
- HH A5A is very sensitive and pulls only 1/14th the exhaust volume of competing analyzers. This means no problems with water ingress and pumps last longer
- Service is handled at Crystal Lake Northern Repair- Annual Cal and sensor replacement. Meets required industry standard.

TECHNICAL SUPPORT
1-888-717-1333

HHGA5A

- Problems in ignition system (Spark plugs, wires)
- Engine compression problems
- Temperature sensor malfunction
- E R Valve problems
- Dirty air filter
- Obstructed intake valve ports
- Lambda Sensor failure
- Excessive Fuel Consumption
- Misfire
- Rusted exhaust (Internal or external rust)
- Nonhomologated exhaust (Wrong back pressure)
- Melted catalytic converter
- Worn out catalytic converter
- Obstructed exhaust or catalytic converter

HHGA5A-1 Serial Lead.
HHGA5A-SP Soft Pouch.
HHGA5A-Z User Manual, HHGA5A.
HHGA5A-13 Water Trap Bung.
HHGA5A-14 Probe Connector.

HHGA4X

HHGA4X Hand Held Gas Analyzer Kit.

- 5 gas analyzer tests vehicle exhaust emissions for Nitrogen Oxide (NO_x), Carbon Monoxide (CO), Hydrocarbons (HC), Carbon Dioxide (CO_2), Oxygen (O_2) and AFR/LAMDA
- Provides ideal funtionality for diagnostic work, pre-compliance testing and servicing vehicles to manufacturer’s specifications
- Helps diagnose engine problems and catalytic converter failure
- Onscreen commands in 8 languages
- Can be powered by AC or 12 V
- Fully portable and is ideal for on road testing
- Magnet on analyzer and printer allows mounting almost anywhere
- Print records to infrared printer

HHGA-8

HHGA-8 Motorcycle Exhaust Probe.

- Optional motorcycle exhaust probe for HH A series gas analyzers

HHGA-9

HHGA-9 Five Gas Exhaust Probe.

- 5 gas exhaust probe for HH A series gas analyzers

HHGA-11 Filters.

- Filters for HH A Series gas analyzers

HHGA-16

HHGA-16 Ac Adaptor.

- Designed for use in the service bay

HHGA-17

HHGA-17 12 V Adaptor.

- Designed for use in the service bay or on the road

HHGA-18 Paper Roll.

- Replacement paper roll for HH A-5 infrared printer

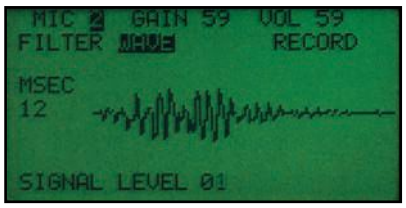
HHGA-5

HHGA-5 Infrared Printer.

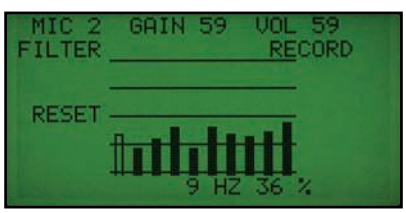
- Infrared printer for HH A series gas analyzers

Stethoscopes

Quickly pinpoint the source of noise or vibration in underhood, undercar and vehicle interiors. 6 selectable channels allow placement of sensors in various locations to pick up bearing, gear, engine, suspension, drive accessory and wind noises.



Wave Form Viewer-displays a visual representation of the audio signal



Band Pass Filter-tunes out unwanted background noises

LD6900

Electronic

LD6900 THEBIS™ Diagnostic Unit.

- Under Chassis: Differentials/CV joints, transmission/transfer cases, U-joints plus bearings, gears and suspensions
- Under Hood: Faulty fuel injectors, vacuum leaks, noisy valves and lifters
- Body: Wind and vent noise, dashboards and instrument panels
- Operate as an electronic noise and vibration detector using the inductive clamp or vent microphone attachments
- Operate as an electronic stethoscope using the listening wand and contact probe attachments
- Recorded files are stored on included USB memory stick for easy playback on PC

YA6890KT

YA6930

YA6890KT Electronic Squeak and Rattle Finder (Blue-Point®).

- Quickly pinpoints source and location of noises emanating from under chassis, under hood, transmission, differential/CV joint, faulty fuel injectors and bearings, gears and suspension parts
- Helps detect and isolate squeaks, rattles, groans, cowl “pops”, clunks, growls, thumps, rumbling and ticking noises
- Wireless transmitters feature magnetic body with versatile clip
- Wireless channel receiver isolates six different transmitter locations
- LED lights indicate the strength of signal of the active channel
- Illuminated button indicates active channel at a glance

YAH6890KT European Version.

YA6895 Transmitter (Channel 5) *(Blue-Point)*.

- Optional transmitter for YA6890KT. Operates on channel 5

YA6896 Transmitter (Channel 6) *(Blue-Point)*.

- Optional transmitter for YA6890KT. Operates on channel 6

YA6930 Electronic Engine Stethoscope.

- Electronic Stethoscope amplifies sound during diagnosis or verification of proper vehicle operation
- Use to pinpoint faulty bearings, injectors, squeaks, rattles and more
- Mode selection switch with LED indicator easily switches between the sound and vibration functions
- Noise cancellation feature eliminates background noise
- Studio style headphone set with tangle free cord
- Detachable flex wand with LED illuminated tip
- Rotary volume control
- Lightweight and balanced with ergonomic comfort grip
- CE

Stethoscopes

YA6910

YA6920

YA6910 Mini Electronic Stethoscope (Blue-Point®).
- Convenient diagnostic tool can pinpoint location of noise caused by bad bearings, bushings, dirty fuel injectors, wind and air leaks, noisy valves and lifters
- Allows user to monitor gears, bearings and suspension components under load so problems can be more accurately diagnosed
- Sensor clamp helps to detect noises during vehicle test drive that cannot be duplicated in the work bay
- Sensor tip mounted on 6" flexible shaft allows access to hard to reach areas
- 5" inductive metal probe allows user to pinpoint source of noise or vibration
- Ultra sensitive microphone provides a full range of sound
- Features a rotary style adjustable volume control
- CE

YA6920 Electronic Marine Stethoscope *(Blue-Point)*.
- Unique diagnostic listening device specifically designed to pinpoint squeaks, rattles and other troublesome noises in most marine vessels and watercraft with inboard or outboard motors
- Test for noise and harmonic vibration on bearings, under dash areas, control cables, fuel injectors, cabinets and compartments, alternators, switches, pumps, final drives, steering gears, gear cases, steering pumps, hulls and compressors
- 14' long, water resistant wire loom harness allows user to diagnose hard to reach problem areas
- 6 spring loaded, color coded stainless steel sensor clamps with built-in super sensitive microphone in the tips for optimal sound detection
- Heavy duty professional headphones block any unwanted sounds

YA6800

MST100

GA111D

YA6800 Electronic Stethoscope *(Blue-Point)*.
- Features 7 level sound control settings, A/B tone control, high/low volume controls, and battery check position on control stick
- Supersensitive microphone in top is attached to a flexible 9" shaft for hard to reach areas
- LED light signals when switch is on
- Earphones block outside noise
- Adjustable volume controls

MST100 Mechanic s Telescoping Stethoscope.
- Stainless steel shaft extends to a 36 1/2" overall length for easy access to hard to reach areas
- Aluminum sound chamber produces a more natural sound than plastic chambers
- Flexible tubing to ear piece aids positioning
- Rigid shaft extends, keeping hands away from heat and moving parts
- Soft comfortable ear piece is replaceable
- Comfortable soft grip handle
- Probe reverses to fit inside chamber for safe, compact storage
- Length closed with probe reversed 11"
- Length closed 15"
- Length extended 36 1/2"

GA111D Mechanic s Stethoscope.
- Locates any engine sound such as bearing noise, knocks and squeaks in fan or water pump, and valve tappets
- Sound amplifying diaphragm and a 12" probe to locate trouble

Infrared Thermometers

These infrared thermometers safely monitor hot, hazardous or hard to reach materials without contamination or damage to the surface. Simply point at target, pull the trigger and read the temperature on the large, backlit LCD display.

Applications:
- Pinpointing radiator core restrictions
- Checking exhaust and emission control problems
- Measuring catalytic converter temperatures
- Diagnosing exhaust manifolds for combustion problems
- Measuring tire temperatures
- Measuring race track temperatures
- Measuring bearing, rotor, drum or brake temperatures for potential problems
- HVAC-Use for temperature room balancing, check supply/return registers duct work, monitor steam traps, furnace performance plus use in energy audits
- Check bearing, rotor, brake and drum temperatures
- Food Safety: perform HaCCP temperature measurements at receiving docks, take cooking temperatures, check hot and holding temperatures, ensure storage temperatures on freezers, ovens and ranges

Features	RTEMPB4*	RTEMPB120*	RTEMPB3A*	RTEMPB2A*
Temperature Range	-67° to 428 °F (-55° to 220 °C)	-7° to 248°F (-22° to 120 °C)	-58° to 932 °F (-20° to 500 °C)	0° to 500 °F (-18° to 260 °C)
Temperature Display	Selectable for °F or °C	Selectable for °F and °C	Selectable for °F and °C	1 °F or .5 °C
Response Time	0.5 Seconds	Less than 0.5 Seconds	0.5 Seconds	500 mSec, 95% Response
Emmissivity	Adjustable, set to 0.95	Pre-Set 0.95	0.98	Pre-Set 0.95
Power	3 V Lithium (Included)	CR2032 Battery	9 V Alkaline or Ni-Cad Battery	9 V Alkaline or Ni-Cad Battery
Accuracy	±2% of Reading	2% of Reading or ±3.5 °F, whichever is greater	±2% of Reading or ±2 °C (±4 °F)	±2% of Reading or ±2 °C (±3.5 °F)
Distance To Spot Ratio	1:1	1.3:1	12:1	6:1
Ambient Operating Range	32° to 104 °F (0° to 40 °C)	32° to 104 °F (0° to 40 °C)	32° to 105 °F	32° to 120 °F (0° to 50 °C)
Protective Case			Storage Case	Optional (RTEMPBPK)

CE

*Blue-Point®

Features	RTEMPB5*	RTEMP25PB	RTEMP30PBA
Temperature Range	-76° to 1,400 °F (-60° to 760 °C)	-25° to 999 °F (-32° to 535 °C)	-32° to 545 °C (-25° to 950 °F)
Temperature Display	Selectable for °F and °C	Selectable for °F and °C	0.2°C (0.5 °F)
Response Time	1 Second	Greater Than 0.5 Seconds (95% of Reading)	500 mSec
Emmissivity	Adjustable, set to 0.95	Pre-Set 0.95	Pre-Set 0.95
Power	(2) AAA Batteries	9V Alkaline or Ni-Cad Battery	9V Alkaline or Ni-Cad Battery
Accuracy	±1% of Reading	(-25 to -15 °F/-32 to -26 °C) ±5 °F (±3 °C) (-15 to -0 °F/-26 to -18 °C) ±4 °F (±2.5 °C) (0 to 73 °F/-18 to 23 °C) ±3 °F (±2 °C) (73 to 950 °F/23 to 510 °C) ±1% of Reading or ±2 °F(±1 °C) whichever is greater (Above 950 °F/510 °C) ±1.5% of Reading	±1% of Reading or ±1 °C (±2 °F)
Distance To Spot Ratio	30:1	Optimized for use at 8"; Approx. 16:1 at Focus Point	12:1
Ambient Operating Range	32° to 104 °F (0° to 40 °C)	32° to 120 °F (0° to 50 °C)	0° to 50 °C (32° to 120 °F)
Protective Case	Storage Case	Storage Case	Protective Hard Case

**Blue-Point*

Tachometers

EEDMRPM500

EEDMRPMD500

EEDMRPM500 Digital Tachometer (Gas Engines).
- Use to digitally read RPM on single cylinder, 2 or 4 stroke gas engines
- Choose between 2 or 4 stroke engines and 1 or 2 spark ignition systems
- Unit provides MIN/MAX readings with 8 storage locations to save readings for future reference
- Range is 300 to 10,000 rpm
- Powered by 9 V battery (included)
- Overall dimensions are 2 3/4" x 5 3/4" x 1"

EEDMRPMD500 Diesel Engine Adaptor.
- Optional diesel engine adaptor for the EEDMRPM500 digital tachometer
- Use on diesel engines only
- Range is 300 to 6,000 rpm

EEDMTACH1

EEDMTACH1 Digital Tachometer.
- Combination contact/noncontact tachometer with Minimum (MIN), Maximum (MAX) and LAST or current reading
- Noncontact operation uses photoelectric sensor and reflective tape (included)
- Contact measurements are taken with 1 of 3 contact adaptors; cone, concave wheel or large wheel
- Current data will remain until the next reading is taken
- Memory figures will remain until the next recorded reading is taken

Ranges:
Photo Tach: 5 - 30,000 rpm
Contact Tach: 0.5 - 19,999 rpm
Surface Speed: 0.2 - 6,560 ft/min or 0.5 - 1,999 m/min

MTTACH1A1 Photo Tape.
Reflective photo tape for the EEDMTACH1 Tachometer.

Diesel Timing Meter

MT257B Diesel Pulse Adaptor (Blue-Point®).
- Test injector timing or engine rpm on diesel engines equipped with 1/4" or 6 mm external steel fuel injector lines
- Enables use with inductive pick up timing light to test engine timing
- Not for use on diesels with common rail fuel systems

MT257B

Specialty Meters and Small Testers

RELAYTEST1

Automotive Relay Tester

RELAYTEST1 Automotive Relay Tester.
- Quickly and accurately test 4 and 5 terminal electromechanical relays used on many U.S. and imported automobiles
- Will interrogate and identify an unknown relay terminal configuration then self configure its own internal circuitry to perform all required test functions automatically
- Can be used to perform the following tests: coil resistance, surge supression device (resistor or diode), open/closed contact integrity, contact cyclic testing for intermittent failure detection, loaded contact continuity, relay contacts stuck open or closed and time to contact closure and opening
- Unit automatically indicates test results with a series of red, green and yellow performance lights

YA76562

Coil-on-Plug (COP) Probe

YA76562 Ignition Quick Probe *(Blue-Point)*.
- Quickly verify the firing of a coil on plug (COP) ignition coil and spark plug
- Eliminates the need for back probing coil wires and disassembly to test at the coil connector or spark plug
- Variable sensitivity (VS) thumbwheel for greater diagnostic accuracy and expanded application coverage
- Super bright KV and ARC indicator LEDs

Timing Lights

TECHNICAL SUPPORT
1-877-447-6276

EETL500

EETL500 Digital Tach/Advance Timing Light.
EETL500 Timing Light
- Clearly view each flash with patented skip circuitry for tachometers readings up to 9,900 rpm, adjust engine rpm
- View, set and adjust ignition advance and retard: 0 to 90 - Set Base Timing, Overall Advance and View Ignition Retard
- Measure and adjust ignition dwell: 0 to 180 / 1 to 12 cylinders – Points Ignitions
- Measure battery and charging voltage: 10 to 16 V with quick references LEDs
- Set Ignition Timing; Works on DIS, conventional and most aftermarket ignition systems without solid core wires
- Measure Engine RPM and Ignition Advance- Also measure dwell on older points-type Ignition Systems
- Check battery voltage provides a quick visual indication of the current state of the battery
- Measure and display kV readings, view individual cylinder firing voltage, perform snap throttle and coil stress tests
- Patented pivoting head with Xenon strobe and dual LED flashlight makes it easy to get into tight spots and see
- Large blue backlit graphic LCD screen, clearly view the displayed information
- Timing on both 2 and 4 Cycle (DIS and Conventional) engines, 1-12 cylinders, no adaptors required
- Replaceable heavy duty test leads
- Bright high intensity flash
- Nostalgic look with diamond plate chrome underside
- Comes with a hard case for storage and protection
- Full 2 year warranty
- Patents D377,622, 4,594,886 and 5,767,681 apply

EETL500-2 Inductive Pickup Leads.
EETL500-PB Storage Case.
EETL500-Z Instruction Manual for EETL500.

EETL5568

EETL5568 Digital Timing Light (Blue-Point®).
- Multifunction timing light works on all distributorless and conventional ignition systems
- Skip circuitry tests tachometer readings up to 9,900 rpm
- View, set and adjust ignition advance and retard from 0 to 90
- Measure and adjust ignition dwell from 0 to 180/ 2 to 12 cylinders
- Measure battery and charging voltage from 10 to 16 V
- Dual display backlit screen allows clear viewing of tachometer and ignition advance reading
- Pivoting barrel allows easy access and a clear view to ignition timing marks

MT125A

MT125A Self Powered Timing Light.
- Self powered timing light features a single 6' inductive pick up
- Quick attachment to spark plug wires on motorcycles, marine motors, snowmobiles, jet skis, small engines and other equipment that do not have easy access to a battery power source
- Can be used for automotive applications as well
- On/Off switch is located within thumb reach

Computer Memory Savers

EESM500 Memory Saver.
- Provides 12 V power to vehicle's computer system to save settings for the radio, seat position, DTCs, keyless entry and more when 12 V battery is disconnected for service
- Connects to the vehicle through the built in 42" OBDII cable (18 ga.) or 12 V accessory cable (EESM500-3); both store neatly and conveniently in zippered pouches
- Informative and intelligent LED control panel
  - LED panel shows 3 color display when test button is pushed
  - Red-Yellow- reen or ALL indicate internal battery charge level
  - Red blinks when internal battery needs charging
  - Charging LED will light amber when ac charger is plugged in
  - Blue indicates full charge at 100%
- On/Off switch ensures unit is off for storage and transport
- Wall charger (EESM500-4) included to keep the internal battery ready
- Soft side case will not scratch or dent vehicle's interior and console like a traditional unit's hard plastic housing
- Nonskid bottom will not slip and it protects vehicle surfaces
- Lightweight soft side case is easy to carry and store
- Unit measures 13" W x 8" H x 7 1/2" D and weighs 7.7 lbs
- Battery capacity is 5 Ahr

eneral Repair, Body, Road Side Assistance Trucks, Battery Specialists, OEMs, National Accounts, Motorcycle/ Marine, Electrical Car stereo, Schools, Fleets with 12 V, overnment, Auto Part Stores and more

EESM500

TECHNICAL SUPPORT
1-888-704-9201

EESM500-1 DC Battery Clamp.
- Optional DC Battery Clamp for EESM500 Memory Saver

EESM500-2 USB Accessory Cable.
- Optional USB Accessory Cable for EESM500 Memory Saver

EESM500-3 12V Accessory Cable.
- 12 V Accessory Cable for EESM500 Memory Saver. Male to Male, 48" long

EESM500-4 110V Charger.
- 110 V Automatic Charger for EESM500 Memory Saver. UL® Listed. Input: 100 to 240 V. Output: 16.5 V/.65 A

Computer Memory Saver

YA960 YA961

TLM12AO

EECS5MEM

YAGM1

Computer Memory Savers

YA960 Computer Memory Saver.
- Prevents memory loss on digital radios, clocks, door locks, and computers when disconnecting vehicle battery
- Plugs into cigarette lighter socket
- Uses a 9 V battery to keep "memories" alive for up to four continuous hours
- Use YA961 on Chrysler products

YA961 Computer Memory Saver.
- Similar in function to YA960 except its power source is any 120 V AC outlet
- Will work on all vehicles

TLM12AO Computer Memory Saver.
- Saves computer memory on clocks, radio settings and fuel injection systems
- Simply plug into 12 V accessory, then attach battery clamps to spare battery

EECS5MEM OBDII Memory Cord, 5.
- Use in conjunction with a jump starter to preserve vehicle codes and electronic presets while a vehicle s battery is disconnected
- Turns any jump starter with a 12 V power port into a memory saver
- Interface connector between a jump starter and a vehicle s OBD II port
- Prevents electronic memory loss when disconnecting a vehicle s battery
- LED confirms a proper connection has been made to OBD II port

Service Light/Airbag Resetting Tools

YAGM1 Air Bag Release Tool.
- Tool will quickly and easily release the retention springs for the removal of the SIR module on certain late model GM® vehicles

Applications: Cadillac®, Buick® Park Avenue, Pontiac® Grand Am®, minivans and trucks

Electrical

FZ4B

YA9811

FZ7A

GMSTB25

Fuse Tools

FZ4B Fuse Tongs. Delrin tongs pull fuses up to 15/16" in diameter. A 1/8" hook on the handle pulls short fuses. Tongs have high insulating qualities and are resistant to oil, water and heat up to 300 °F. Hand stops prevent slipping.

FZ7A Fuse Tongs. Nylon tongs remove auto high tension wires and pull cartridge fuses from 15/16 to 1" in diameter. Has hooks on handles and jaws. Tongs have high insulating qualities and are resistant to oil, water and heat up to 300 °F. Hand stops prevent slipping.

YA9811 Relay/Fuse Pliers. Remove/install relays and fusible links. Designed to reach into confined access areas. Features convenient slip joint design to enable use for a variety of sizes. Coated pliers tip securely grips corner of relay or fusible link. Black industrial finish with red cushioned grip handles. 8" in length.

Multifunction Switch Tools for *GM* vehicles

GMSTB25 Multifunction Switch Tool for *GM* vehicles. Reduces the time it takes to replace the multifunction switch (turn signal/dimmer/windshield wiper switch). Tool includes a low profile 1/4" bit wrench with a T25 Ball Torx® bit that allows better control and access in restricted areas. Conveniently remove/install the multifunction switch on *GM* vehicles. Allows the multifunction switch to be removed and installed without removing the air bag, steering wheel and clock spring. Reversible ratchet action speeds tightening/loosening. Heat treated for strength and durability. Chrome plated for great appearance and wear resistance. Magnetic bit retention to allow for easy replacement of bits. Please visit www.snapon.com for the full application listing.

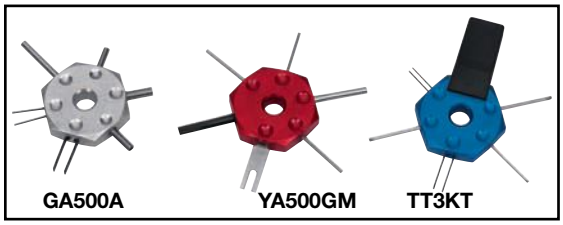
Wire Installation Tools

GOFER1A Wire Installation Tool. Designed for quick installation of wires for stereo systems, alarm systems, cellular phones, vacuum hoses and air shock supply lines. Conical shaped collet provides secure wire retention when threading wires. Will push or pull wires through openings.

GOFER4A Holding Straps. 1/2" wide by 8" long Velcro® fastening holding straps. Use to organize and hang tools in the shop, or to separate or retain hoses or wires during engine service. Also helpful for sorting wiring during test, for holding scope or meter leads together, or a multitude of other applications. 12 straps included in 8 different colors.

GOFER1A

GOFER4A


GA500A YA500GM TT3KT

TT600

TT12KT

Terminal Tools

GA500A Wire Terminal Tool.
- Prongs depress the ba rbs on conventional terminals

YA500GM Wire Terminal Tool.
- Designed for use for Pack-Con and Weather-Pack terminals on M® C3 systems

YA500F Terminal Tool for Ford® Vehicles (Blue).
- Use on *Ford* terminals

TT3KT Terminal Tool Set.
- Comprehensive set covers the majority of today's popular terminals
- Includes: A500A, YA500 M, YA500F and TT3-1 handle that slips over probes to protect technician's hands and provides extra leverage

YA13120 Electrical Connector Separator. Disconnect electrical connectors without damage. Double ended to fit different access angles. Easy to use. Simply engage the tool tip behind the connector clip and push or pull to disconnect. Works on weather pack and other automotive electrical connectors.

TT600 Terminal Tool Kit. Includes 6 tools for removing terminals from harness blocks: pin vise, square probe, wedge probe, tube probe, flat probe, and hook probe. Tools come in a vinyl pouch.

TT12KT C3/Wire Terminal Tool Kit for *GM* vehicles. Applications include most *GM* and other U.S. computer connectors and terminals. Individual handles for easy access in tight places. Designed for weather pack and Pack-Con terminals with flat blade to open connectors and fork for ALDL connectors to access trouble codes. Color coded: Red handle for *GM* and Green for wire terminal tools. Includes molded storage case.

TT1201 3.3 X 28 mm terminal tool.
TT1202 1.4 X 28 mm square terminal tool.
TT1203 1.5 X 24.75 mm flat terminal tool.
TT1204 2.0 X 22 mm flat terminal tool.
TT1205 8.0 X 24 mm fork terminal tool.
TT1206 3/16" X 1.0" flat screwdriver.
TT1207 3.3 X 28 mm tube terminal tool.
TT1208 4.3 X 13 mm tube terminal tool.
TT1209 3.75 X 13 mm tube terminal tool.
TT1210 3 X 13 mm tube terminal.
TT1211 3 mm flat 2 blade terminal tool.
TT1212 1.6 mm flat 2 blade terminal tool.
TT1213 blow molded case.

Kit includes these *GM* C3 System terminal tools (red handle):
tube, spring loaded, 3.3 x 28 mm
square blade, 1.4 x 19.00 mm
flat blade, 1.5 x 24.75 mm
flat blade, 2.0 x 23.00 mm
fork blade, 8.0 x 24.00 mm
flat blade screwdriver, 3/16" x 1.00"

Kit includes these wire terminal tools (green handle):
tube, 3.30 x 28.0 mm
tube, 4.30 x 13.0 mm
tube, 3.75 x 13.0 mm
tube, 3.00 x 13.0 mm
flat twin blade, 3.0 mm
flat twin blade, 1.6 mm

Terminal Tools

SGTT106A

SGTT110

Soft Grip Terminal Tools

Easily remove terminals from electrical connectors found on mid-1990s and later U.S. and import vehicles. Terminal tools incorporate a stainless steel design with ergonomic so ft grip handles.

SGTT1A Soft Grip Terminal Tool. Use on PCM and transmission harnesses found on Chrysler®, Hyundai®, Kia® and Mitsubishi® vehicles. 4 13/16" long.

SGTT2A Soft Grip Terminal Tool. Provides robust narrow width blade with fulcrum for easier access to release tabs found on newer terminal blocks. General purpose release tool for U.S. and import vehicles. 5 1/8" long.

SGTT3A Soft Grip Terminal Tool. Use on underhood sensors such as coolant temperature and throttle position sensors. For use on *Ford*, *GM* (including Cadillac®), *Chrysler*, *Mitsubishi* and *Hyundai* vehicles. 4 13/16" long.

SGTT4A Soft Grip Terminal Tool. Use for cutting open wire harnesses for easy access to troubleshooting and replacement applications. Easily slits harness sheathing without piercing the wires inside. 4 3/8" long.

SGTT5A Soft Grip Terminal Tool. Use on 55 pin ABS ECU s found on *Ford*, *GM*, Jaguar®, Jeep®, Volvo®, VW®, BMW®, *Hyundai*, *Kia* and Mercedes® vehicles. 4 13/16" long.

SGTT6A Soft Grip Terminal Tool. Use on 35 pin ABS ECU s found on Audi®, *BMW*, *Chrysler*, *Ford*, *GM*, Infiniti®, Isuzu®, *Jaguar*, Mazda®, *Mercedes*, *Mitsubishi*, Nissan®, Porsche®, Subaru®, Saab®, *Volvo* and *VW* vehicles. 4 13/16" long.

SGTT7 Soft Grip Terminal Tool. Applications: Powertrain Control Modules (PCM) on Acura®, *Audi*, *Chrysler*, *Ford*, *Hyundai*, *Jaguar*, *Kia*, *Mercedes*, *Mazda*, Toyota® and *Volkswagen* vehicles. 4 27/32" long.

SGTT8 Soft Grip Terminal Tool. Applications: Powertrain Control Modules (PCM) on *Acura*, *Audi*, Buick®, *Chrysler*, *Ford*, *GM*, *Honda*, *Jaguar*, *Mercedes*, *Mazda*, *Toyota* and *Volkswagen* vehicles. 4 27/32" long.

SGTT9 Soft Grip Terminal Tool. Applications: Powertrain Control Modules (PCM) on *Acura*, *Audi*, *Chrysler*, *Jaguar*, *Hyundai*, *Kai*, *Mercedes*, *Toyota* and *Volkswagen* vehicles. 4 27/32" long.

SGTT10 Soft Grip Terminal Tool. Applications: Open connector clips and sides of clips on *Acura*, *Audi*, *Chrysler*, Honda®, *Mercedes*, and *Volkswagen*. 4 27/32" long.

SGTT106A Soft Grip Terminal Tool Set. Includes SGTT1A thru SGTT6A (6 pcs) in kit bag.

SGTT110 Soft Grip Terminal Tool Set. Includes SGTT1A thru SGTT10 (10 pcs) in storage tray.

WARNING
- **Plastic coated handle does not protect against electric shock**
- **Read safety precautions on pages W1 to W4**

Compression Gauge Sets and Adaptors

EEPV500

EEPV503

Compression Gauge Sets

- Intended for use on spark ignited gasoline engines that do not exceed 300 psi compression
- Uses hose adaptors that thread into the spark plug hole and connect at the gauge hose's quick coupler
- Maintains highest compression test reading and resets to zero with a push button release valve
- auge displays individual cylinder pressure
- Test range: 0 to 300 psi (0 to 2,000 kPa) in 10 psi (50 kPa) increments

EEPV500 Compression Gauge Set.

- Test late model cars and trucks with hard to access spark plug ports
- auge assembly includes 2 3/4" diameter gauge and 27" flexible hose with quick coupler
- Includes EEPV5 12L, EEPV5 14L and EEPV5 14S

EEPV503 Motorcycle Compression Gauge Set.

- Test motorcycles and recreational vehicles with hard to access spark plug ports
- auge assembly includes 2 3/4" diameter gauge and 18" flexible hose with quick coupler
- Includes EEPV5 10L, EEPV5 12L and EEPV5 14L

Compression Gauge Adaptors

- 10 1/4" overall length unless otherwise noted
- Standard reach applies to flat and tapered spark plug hole seats; long reach applies to servicing motorcycle engines

EEPV5G10L

EEPV5G14L

EEPV5G18S

EEPV5G10S

EEPV5G10L Compression Gauge Adaptor.

- Long reach (M10 x 1.0 pitch)
- Thread length .70 inch

EEPV5G14L Compression Gauge Adaptor.

- Long reach (M14 x 1.25 pitch)
- Thread length .73 inch

EEPV5G18S Compression Gauge Adaptor.

- Standard reach (M18 x 1.5 pitch)
- Thread length .44 inch

EEPV5G10S Compression Gauge Adaptor.

- Standard reach (M10 x 1.0 pitch)
- Thread length .43 inch

EEPV5G14S

EEPV5G16T

EEPV5G12L

EEPV5G12T

EEPV5G14S Compression Gauge Adaptor.

- Standard reach (M14 x 1.25 pitch)
- Thread length .36 inch

EEPV5G16T Compression Gauge Adaptor.

- Long reach (M16 x 1.5 pitch) for Ford® 5.4 L Triton® engines
- 18" length

EEPV5G12L Compression Gauge Adaptor.

- Long reach (M12 x 1.25 pitch)
- Thread length .68 inch

EEPV5G12T Compression Gauge Adaptor.

- Main application 2nd generation *Ford Triton* engines 2008 and later
- Tests cylinder compression up to 300 psi
- Additional applications include: Mercedes® (most V6 and some V8 models newer than 2006), Nissan® (2.0 L 2007 and later) plus Toyota® Scion (1.8 L 2008 and later) vehicles
- 18" length
- Thread length .71 inch

Cone Type Compression Gauge

MT27C Cone Type Compression Gauge.

- Dial reads from 0 to 250 psi in 5 psi increments (0 to 1,700 kPa in 20 kPa increments) and is specially designed for Type I VW® vehicles
- Offset stem overcomes clearance problems
- Check valve located at bottom of unit to avoid interference with cooling shroud sheet metal

MT27BR Service Kit.

- Included with MT27C gauge
- Contains cone tip, valve and sealing ring in drawstring bag

MT27C

EEPD500 Diesel Compression Gauge.
- Dial reads from 9 to 800 psi and from 0 to 5,500 kPa
- auge includes 18" hose with release valve

EEPD500

EEPV313A

M3540A

M3543A

M3542A

M3571

M3572

M3574

M3584

M3585

Compression Adaptors - Injector Style

EEPV313A Diesel Compression Gauge Adaptor.
- For 1998 to 2007 Dodge® 24 valve 5.9 L Cummins® plus 5.9 L and *Cummins* ISB and ISBE diesel engines plus the 2007 newer 6.7 L

M3540A Compression Adaptor.
- For *Cummins* 855 cu in and NH 903 V8 L10 diesel engines

M3543A Diesel Compression Gauge Adaptor.
- For Detroit® 53, 71, 92 and 8.2 L diesels

M3542A Diesel Compression Gauge Adaptor.
- For Volkswagen®, Mercedes-Benz®, Volvo® and Audi® 5000 diesel engines M24 x 2.0

M3571 Diesel Compression Gauge Adaptor.
- For 21 mm injectors and Bosch® type injectors on the following diesel engines: Allis® Chalmers® 433, 649, and 670, Allis/Fiat® 3 cylinder, John Deere® 404, 466, 531 and 619, Navistar® 361 and 407, Perkins 4.203, 4.236, 4.248, 6.354, and 8.540, Wisconsin Engine® 340, 350, 430, 660, 670, 750, 860 and 1000, White Engine® D2000, D2300, D3000, D3400, and D4800, Mack 673, 674, 675, 864, 865 and 866, Waukesha® diesel engines, Ford® Tractor diesel engines, Scania® DN11 and DS11

M3572 Diesel Compression Gauge Adaptor.
- For pencil type injectors on the following: Caterpillar® 3208 and 1100 Series, Case® 70 Series, 188 and 207, *John Deere* early 300, 400 and 500 Series, 276, 404 and 531 diesel engines

M3574 Diesel Compression Gauge Adaptor.
- For 17 mm injectors on *Navistar* DT466 and 9L, 312, 360, 414, 436 and 446 diesel engines

M3584 Compression Adaptor.
- For *Case/Cummins* Series B 2.9, 3.9 and 5.9 L diesel engines

M3585 Compression Adaptor.
- For *Case/Cummins* Series C 8.3 L engines

EEPV312A

EEPV314A

EEPV315A

EEPV317A

M3545B

M3569A

M3570A

M3564

M3565A

M3566

M3576

Compression Adaptors - Glow Plug Style

- All M series glow plug style adaptors plus the EEPV312A adaptor require the use of either the M3569 or M3570 quick coupler
- EEPV314A, EEPV315A and EEPV317A couple directly to the EEPD500

EEPV312A Glow Plug Compression Adaptor.
- For M® Duramax 6600 and Isuzu 6.6 L diesel engines

EEPV314A Glow Plug Compression Adaptor.
- For *Ford/Navistar* 7.3 L Powerstroke diesel engines

EEPV315A Glow Plug Compression Adaptor.
- For *Volkswagen* 1.9 L TDI diesel engines

EEPV317A Glow Plug Compression Adaptor.
- For *Ford* Powerstroke 6.0 L and Navistar®/International® 6.0 L VT365E engines with 14M x 1.25 glow plug size

M3545B Glow Plug Compression Adaptor.
- For *GM* 4.3 and 5.7 L plus *Navistar* 6.9 and 7.3 L diesel engines
- Replacement valve core is M3545A4

M3569A Quick Coupler.
- 45° offset

M3570A Quick Coupler.
- 90° offset

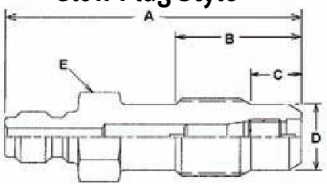
M3564 Glow Plug Compression Adaptor.
- For *GM* 6.2 and 6.5 L diesel engines

M3565A Glow Plug Compression Adaptor.
- For Isuzu® 1.8 and 2.2 L diesel engines and Toyota® 1.8 L diesel engine

M3566 Glow Plug Compression Adaptor.
- For *Toyota* and Nissan® 2.2 L diesel engines, plus Mitsubishi® 2 and 3 cylinder engines

M3576 Glow Plug Compression Adaptor.
- For BMW® 2.4 L engines used in 1984 and 1985 Lincoln®, Mark VII and Continental models; Peugot® 1978 to 1984, 2.0 and 2.3 L engines; *VW*, *Audi*, and *Volvo* 1.5, 1.6, 2.0 and 2.6 L engines

Glow Plug Style



Adaptors

Stock No.	Thread	A inch (mm)	B inch (mm)	C inch (mm)	D inch (mm)	E (Hex)
EEPV312A	M10 X 1.25	4.12 (104.65)	3.00 (76.20)	2.50 (63.50)	.320 (8.13)	12 mm
EEPV314A	M10 X 1.0	3.33 (84.58)	2.78 (70.61)	2.31 (58.67)	.315 (8.00)	10 mm
EEPV315A	M10 X 1.0	2.05 (52.07)	1.50 (38.10)	1.03 (26.16)	.315 (8.00)	10 mm
M3545B	M10 X 1.0	1.78 (45.20)	1.06 (26.92)	.38 (9.65)	.385 (9.77)	3/8 in
M3564	M10 X 1.0	2.46 (62.48)	.79 (20.00)	.25 (6.35)	.325 (8.25)	3/8 in
M3565A	M10 X 1.25	2.50 (63.50)	1.61 (26.92)	.866 (21.99)	.320 (8.13)	12 mm
M3566	M10 X 1.25	1.96 (49.78)	1.27 (32.26)	.39 (9.14)	.315 (8.00)	12 mm
M3576	M12 X 1.25	1.77 (44.95)	1.08 (27.43)	.300 (7.62)	.305 (7.75)	12 mm

WARNING
- Do not expose gasoline or fuel to flames, sparks or other sources of ignition
- Use only in well ventilated areas • Read safety precautions on pages W1 to W4

Cylinder Leakage/Engine Vacuum Gauges and Tester

EEPV509

EEPV509 Cylinder Leakage Tester.
- Use on all U.S. and import engines
- Input pressure gauge displays input air pressure for proper cylinder leakage test set up and accurate results
- Pressure gauge range is 0-100 psi (0-700 kPa) in 2 psi (20 kPa) increments
- Cylinder leakage gauge displays leakage as a percentage of input pressure with 3 distinctive zones of high, moderate and low

EEPV511

EEPV511 Vacuum Pressure Gauge Set.
- Use for almost all basic vacuum pressure testing needs in the shop
- Perform engine vacuum tests on gasoline engines as well as exhaust back pressure tests on applications with an oxygen sensor
- Test vacuum accessories and emission control devices such as EGR valves canister purge systems, air switching and divert valves, vacuum delay and check valves, heater and A/C controls and cruise control systems
- Multicolor gauge face with scales of inch, Hg, psi, negative kPa and positive kPa

EEPV508

EEPV508 Automatic Transmission Pressure Gauge Set.
- Use on all major manufactured U.S. and import vehicles
- High pressure gauge (0-500 psi/0-3,500 kPa over pressure protected to 1,500 psi) assembly includes 3 1/2" diameter gauge and 10" flexible hose with fluid coupler
- Low pressure gauge (0-100 psi) assembly includes 2 1/2" diameter gauge and 6 flexible hose with fluid coupler

EEPV507

EEPV507 Oil Pressure Gauge Set.
- Use on diesel and gasoline engines
- Includes standard and metric adaptors for most U.S. and import cars, trucks, tractors and stationary engines
- Includes: 0-100 psi (0-700 kPa) gauge assembly

Stock No.	Description	EEPV508	EEPV507
EEPV5F-1	2" Pipe Nipple	•	•
EEPV5F-2	1/4"M x 1/8"F Hex Bushing	•	•
EEPV5F-3	3/8"M x 1/8"F Hex Bushing	•	•
EEPV5F-4	1/8"FNPT Coupling	•	•
EEPV5F-5	1/8"M x 1/8"F Street Elbow	•	•
EEPV5F-6	1/8"-28 BSPT	•	•
EEPV5F-7	M10 x 1.0 Tapered Thread	•	•
EEPV5F-8	M10 x 1.0 Adaptor	•	•
EEPV5F-9	M10 x 1.25 Adaptor	•	•
EEPV5F-10	M12 x 1.5 Adaptor	•	•
EEPV5F-11	M12 x 1.75 Adaptor	•	•
EEPV5F-12	M14 x 1.5 Adaptor	•	•
EEPV5F-13	M16 x 1.5 Adaptor	•	•
EEPV5F-14	M18 x 1.5 Adaptor	•	•
EEPV5F-15	5/16"-24 Adaptor	•	•
EEPV5F-16	7/16"-20 Adaptor	•	•
EEPV5F-17	1/16"-27 Adaptor	•	
EEPV5F-18	M8 x 1.0 Tapered Thread	•	
EEPV5F-19	M8 x 1.0 Adaptor	•	
EEPV5F-20	M8 x 1.25 Adaptor	•	
EEPV5F-0	Male Quick Connect Plug	•	•
EEPV5F-100G	100 PSI Gauge and Boot	•	•
EEPV5F-BOOT1	100 PSI Gauge Boot	•	•
EEPV5F-500G	500 PSI Gauge and Boot	•	
EEPV5F-BOOT2	500 PSI Gauge Boot		

Vacuum Pumps and Testers

YA4000B Automotive Test Kit (Blue-Point®)
- Produces vacuum or pressure at the turn of a switch
- Comfortable ergonomic design
- One finger trigger vacuum/pressure release
- Durable, accurate diaphragm style pressure/vacuum gauge
- CE

Applications:
Vacuum and pressure related engine performance diagnostics and tune-ups. Brake bleeding and fluid transfer/evacuation.

YA4000B

Fuel Systems

EEFI Series Adaptor Sets

EEFI500 Master Fuel Injection Pressure Gauge Set.
- Tests fuel injection pressure on major U.S., European and Asian model multiport fuel systems
- Convenient label shows image of components, part numbers and applications for quick easy identification and storage
- Fully detailed user manual includes test connection illustrations and application charts
- Set contains a tee manifold with shut off valve, a 3 1/2" diameter gauge assembly with a blow down valve and the adaptors needed to test most fuel injection systems
- Blow molded case with special removable lid allows for convenient storage in 4" deep drawer and easy access to components
- Pressure gauge rating of 0 to 100 psi

EEFI500

EEFI500CORE Core Fuel Injection Pressure Gauge Set.
- For basic fuel injection pressure service needs
- Individual components or the EEFI500ADD set can be purchased to build up to master set
- Includes:
  - EEFI5001 gauge and hose assembly with bleed-off valve
  - EEFI5002 standard schrader hose assembly (Chrysler®, M®, M-B, Porsche®, Saab® and Saturn® vehicles)
  - EEFI5003 small schrader hose assembly (BMW®, Ford®, Jaguar®, Kia®,Lincoln®, Mazda®, Mercury®, Mini®, Volvo® and VW® vehicles)
  - EEFI5004 standard schrader right angle adaptor (*Chrysler*, *GM*, *M-B*, *Porsche*, *Saab* and *Saturn*)
  - EEFI5005 small schrader right angle adaptor (*BMW, Ford*, *Jaguar*, *Kia*, *Lincoln*, *Mazda*, *Mercury*, *Mini*, *VW* and *Volvo* vehicles)
  - EEFI5006 Tee adaptor with 1/4", 5/16" and 3/8" diameter hoses and clamps (*Chrysler*, Infiniti®, Isuzu®, *Mazda*, *Nissan*, *Saturn* and Suzuki® vehicles)
  - EEFI5006-1 replacement hoses and clamps
  - EEFI5007 spare parts service kit for EEFI5001 thru EEFI5006

EEFI500CORE

EEFI500ADD Set
- Combine the components of the EEFI500ADD set with the EEFI500CORE set to form the EEFI500 master fuel injection pressure gauge set

Stock No.	Description
EEFI5008	Tee Hose Assembly - 3/8" Quick Connect
EEFI5009	3/8" Quick Connect Double Male - *GM* vehicles
EEFI50010	5/8" Spring Lock Male - *Ford, Mazda* vehicles
EEFI50011	5/8" Spring Lock Female - *Ford, Mazda* vehicles
EEFI50012	5/16" Quick Connect Male - *Acura, Chrysler, Ford, Mazda, Toyota* vehicles
EEFI50013	5/16" Quick Connect Female - *Acura, Chrysler, Ford, Mazda, Toyota* vehicles
EEFI50014	5/16" Male Hose Adaptor- *BMW, Chrysler, Infiniti, Nissan, VW* vehicles
EEFI50015	5/16" Hose Adaptor- *BMW, Chrysler, Infiniti, Nissan, VW* vehicles
EEFI50016	M14 x 1.5 Inverted Flare Male- *Geo, Infiniti, Toyota* vehicles
EEFI50017	M14 x 1.5 Inverted Flare Female- *Geo, Infiniti, Toyota* vehicles
EEFI50018	M14 x 1.5 Ball Seat Female- *Audi, Hyundai, Jaguar, Land Rover, Porsche, Volvo, VW* vehicles
EEFI50019	M14 x 1.5 Ball Seat Male- *Audi, Hyundai, Jaguar, Land Rover, Porsche, Volvo, VW* vehicles
EEFI50020	16 mm O-Ring Adaptor- *Hyundai, Mitsubishi* vehicles
EEFI50021	11 mm O-Ring Adaptor- *Infiniti, Kia, Mitsubishi, Nissan* vehicles
EEFI50022	M12 x 1.0 Pulse Dampener Adaptor- *Acura, Honda* vehicles
EEFI50023	M12 x 1.5 Banjo Bolt Adaptor- *Audi, Porsche, Saab* vehicles
EEFI50024	M12 x 1.25 Banjo Bolt Adaptor- *Honda, Hyundai, Isuzu, Lexus, Toyota* vehicles
EEFI50025	M6 x 1.0 Filter Adaptor- *Acura, Honda* vehicles
EEFI50026	Spare part service kit for 5009 thru 50025 adaptors

EEFI50030 Universal Fuel Pressure Adaptor.
- Allows owners of MT337, EEFI301 and EEFI307 series fuel pressure gauges to increase applications by using components from the EEFI500 master fuel injection pressure set

EEFI50030

WARNING
- Do not expose fuel or solvents to flames, sparks or other sources of ignition
- Use only in well ventilated areas • Read safety precautions on pages W1 to W4

Fuel Systems

EEFI5CLEANER

General Purpose Fuel System Cleaners

EEFI5CLEANER Fuel Injection System Cleaner.

- Cleans deposits from fuel injectors, fuel rail and intake valves to restore engine performance, lower emissions and smooth idle
- Canister style cleaner accepts preferred or required fuel injection system cleaner (sold separately)
- Check vehicle fuel pressure with right hand gauge and easily set cleaning pressure with the left hand gauge
- Stainless steel braided Teflon® hose resists solvents
- Conveniently hangs under hood with center chain
- Compatible with EEFI500 series adapters (sold separately)
- See user manual for vehicle make details

FIH500

Specialty Service Tools

FIH500 Fuel Module Disconnect Tool.

- M® fuel module disconnect tool for 1998 and later *GM* full size pickups, Suburban and Taho vehicles
- 2 piece design permits easy access to the connectors
- Slide proper end into the connector, rotate and slide the other half in place to disconnect module
- Fits both 3/8" and 5/16" connector sizes
- Tool segments can be clipped together for convenient storage

YA76462

YA76462 Universal EFI Quick Probe (Blue-Point®).

- Quickly detects electronic fuel injector functions on any gas or diesel engine
- Specifically designed to detect vibrations emitted when electronic injector fires
- No hunting for injector wires to test at connector
- No need to remove injector for testing
- Includes: bright LED strobe, 7" removable probe tip, user guide, battery operation and sensitivity thumb wheel

EEDF500

Fuel Pressure Testers

EEDF500 Fuel Pressure Test Set.

- Designed for testing diesel fuel pressure and vacuum on M 6.6 L Duramax® engines
- auge assembly includes a compound gauge with a 0-15 PSI (0-100 kPa) pressure plus 0-30 inHg vacuum scale and a protective rubber boot
- Long 6' flexible hose with quick coupler for fast and easy connection to the engine
- Convenient protective storage and carrying in a slide lid case that fits easily into a 4" drawer

EEDF501

EEDF501 Fuel Pressure Test Set.

- Designed for diesel fuel pressure and restriction testing on engines with *Compucheck* test ports
- 3 1/2" compound gauge has a 0-15 PSI (0-100 kPa) pressure and 0-30 inHg vacuum scale
- 2 1/2" pressure gauge has a 0-300 PSI (0-2000 kPa) scale in 10 PSI (50 kPa) increments
- Includes female *Compucheck* quick coupler with 6' hose, pressure bleed off, and quick connect for easy interchange of the 2 gauges
- Includes separate male *Compucheck* test port for installation in vehicles without *Compucheck* test ports
- Convenient protective storage and carrying in a slide lid case that fits easily into a 4" dawer

2006IT

TM65

TM64

TM615

TAM3E

S6137E

S6138E

S6139

TM83A

TM84

TM85

Carburetor Adjustment Tools

2006IT Carburetor Adjusting Set.
Includes: S6137E, S6138E, S6139, TM64, TM83A, TM85

S6137E Idle Adjusting Hex Head Driver.
- For 1978 and later Chrysler® vehicles
- 3/32" hex driver is 1 9/16" long
- Nickel-chrome finish socket
- 7/16" OD
- 1/4" drive industrial finish bit

S6138E Idle Adjusting Driver.
- For Ford® feedback carburetors
- 7/16" OD
- 1/4" drive
- Bit has a 3/16" x 1/32" flat tip, 2" long
- Nickel-chrome finish socket, industrial finish bit

S6139 Double D Carburetor Adjusting Socket.
- For 1978 and later M® idle adjusting screw
- OD drive end is 7/16"
- Nickel-chrome finish
- 3.5 mm across flats
- 1/4" drive
- 13/16" long

TM64 Rigid Adjusting Tool.
- Rigid elbow bend rather than flexible feature
- Use with carburetor drivers for making carburetor and point adjustments
- Rigid shaft
- Overall length is 18 1/4, 1/4" drive

TM65 Flexible Adjusting Tool.
- Flexible shaft end for working in restricted areas
- Overall length is 19 3/4, 1/4" drive
- Ideal for working in tight spaces when servicing window type distributors
- Knob markings allow for counting turns

TM615 Flexible Driver.
- 1/4" drive
- Designed for carburetor work, this driver can also access buried distributors
- 1/4" drive at the end of a tough but flexible spring steel shank
- 18 5/8" long
- For low torque applications
- Ideal to access buried adjusting screws
- Cable length is 15"; overall length is 18 5/8"

TM83A Recessed Blade Carburetor Screwdriver.
- 1/4" drive
- Use with TM64 or TM65 and other 1/4" square drive handles
- Blades are recessed in outer socket wall to self center
- Nickel-chrome finish
- 3/8 x 1/32" blade

TM84 Recessed Blade Carburetor Screwdriver.
- 1/4" drive
- Use with TM64 or TM65 and other 1/4" square drive handles
- Blades are recessed in outer socket wall to self center
- Nickel-chrome finish
- 7/16 x 1/32" blade

TM85 Recessed Blade Carburetor Screwdriver.
- 1/4" drive
- Use with TM64 or TM65 and other 1/4" square drive handles
- Blades are recessed in outer socket wall to self center
- Nickel-chrome finish
- 9/32 x 1/32" blade for adjusting late model Quadrajet carburetors

TAM3E Metric Hex Head Driver.
- Use to make carbon monoxide adjustments on 1976 Dasher®, 1974 to 1976 Audi® and Volvo®, and 1975 and 1976 Fiat® and Saab® vehicles
- 3 mm bit size, 1/4" drive
- 6 7/8" long
- Nickel chrome finish

Carburetor Service Tools

ACT1370 Disconnect Set.
- Convenient plastic holder included
- Useful on air conditioning spring couplings as well as push lock connectors on radiator and transmission lines
- Includes 6 tools for disconnecting spring couplings on *Ford*, *GM*, and *Chrysler* air conditioning lines
- Works on fuel lines and can be used as push lock connectors on radiator and transmission lines
- Included sizes are 5/16, 3/8, 1/2, 5/8, 3/4 and 7/8"

ACT1370

WARNING
- Do not use chrome or industrial finish hand tools with impact drivers
- Read safety precautions on pages W1 to W4

Fuel Systems

FID8838A

YA997

FIH940

Fuel Inlet/Fuel Filter/Fuel Pump Tools

YA997 Swivel Handle Fuel Filter Wrench.
- Designed to access hard to reach fuel filters
- Fits fuel filters 2 1/4 to 2 9/16"

FIH940 Gas Tank Fuel Pump Removal Tool.
- Removes plastic fuel pump retaining rings
- Universal adjustable design fits most plastic retaining rings
- Prevents damage to original pump retaining ring
- Use with 1/2" drive extension and ratchet
- Use to reinstall old retaining ring

Injector Harness Testers

FID8838A Injector Harness Tester Set.
- Plugs into solenoid harness to identify electrical or fuel system malfunctions
- Includes 8 testers and injector harness extension in a storage case

FID8320 Injector Harness Tester.
- Use on M® TBI models 100, 200, 220, 300, 400 and 500 used on various cars and trucks

FID8329 Injector Harness Tester.
- Use on Bosch PFI injectors used on various *GM*, Ford® and Chrysler® vehicles with PFI

FID8339 Injector Harness Tester.
- Use on *GM* Multec 1 injectors and the bottom feed injectors used on 2.2 L 4 cyl. J and L cars from 1989 to 1993

FID8340 Injector Harness Tester.
- Use on *GM* SCPI truck engines 4.3 L V6, 5.0 L V8, and 5.7 L V8 (1996 and later) plus 4.8 L V8, 5.3 L V8, and 6.0 L V8 (1999 and later)

FID9210 Injector Harness Tester.
- Designed for eo® TBI sytems (1992 and later)

FID8838A1 Injector Harness Tester.
- Use on *GM* Multec 2 injectors found in 1999 and later 2.4 L 4 cylinder engines in Oldsmobile® Intrigue and Cutlass, Chevrolet® Cavalier and Malibu and Pontiac® Sunfire vehicles

FID8838A2 Injector Harness Tester.
- Use on Bosch 2 injectors used in 2000 and later Cadillac® 4.6 L V8 engines and *Oldsmobile* 4.0 L V8 engines

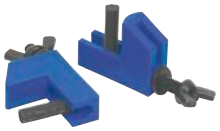
FID8838A3 Injector Harness Extension.
- Injector harness extension line for all FID series injector harness testers
- Use when injector is in a lower position in manifold or cylinder head

FID8838A4 Plastic Case.
- Storage case for the FID8838A injector harness tester set

Shut offs/Hose Pinching Pliers (Blue-Point®)

YA965

HCP7A



YA2850A

HCP10A

HCP6A

FPP17

YA965 Hose Pinching Pliers.
- Eliminates need to drain cooling system when repairing thermostat or water pump
- Use to pinch off emission control hoses, flexible brake lines and rubber hose fuel lines
- Jaws swivel for positive clamping

YA2850A Hose Pinchers.
- For diagnosing problems that require rubber or plastic fuel, vacuum and air lines to be temporarily closed
- Effectively seals lines without disconnecting
- Set of 2

HCP6A Hose Pinching Pliers.
- For sealing hose sizes 1/8 to 5/16"
- For use on brake lines, fuel lines and vacuum hoses
- 6" long

HCP7A Hose Pinching Pliers.
- For sealing hose sizes 1/2 to 3/4"
- For use on heater hoses and vacuum lines
- 7" long

HCP10A Hose Pinching Pliers.
- For sealing hose sizes 3/4 to 2 1/4"
- For use on radiator hoses
- 10" long

HCP3KT Hose Pinching Pliers Set.
- HCP6A, HCP7A and HCP10A (6, 7, 10") in storage pouch

FPP17 Hose Pinching Pliers.
- Ideal for truck/tractor applications
- Quickly and easily pinch off difficult to reach vacuum lines, water hoses, etc.
- 17" semi rigid shaft allows prepositioned, 1 hand use
- Heavy duty steel clamp sleeves are heat treated to 48-52 RC to provide strong clamping
- Fine tooth ratchet allows precision clamping and locks into place for ease of use
- Pull bar and thumb lock made of high carbon steel for extended tool life
- 2 1/4" jaw opening for use in a wide range of applications

Fuel Line Disconnect Tools

Fuel Line Coupling Release Tool Sets.
- Designed to service special quick connect couplings found on fuel feed and return lines located at the engine

FIH9055 Fuel Line Coupling Release Tool Set.
Includes a FIH9055-1 (5/16") and a FIH9055-2 (3/8") tool for GM® fuel lines.

FIH9056 Fuel Line Coupling Release Tool Set.
Includes FIH9056-1 (1/2") and FIH9056-2 (5/8") for fuel and air conditioning quick connect couplers on most late model Ford® and Mazda® Navajo vehicles.

YA9457 Fuel Line Disconnect Tool Set.
- Designed for reach and access to fuel line couplers
- Use on *GM*, Cadillac®, Northstar® engines (1993 and later) and *Ford* E and F Series trucks (1991 and later)
- Includes YA9457-1 (5/16") and YA9457-2 (3/8")

LDTF2 Fuel Line Disconnect Tool.
- Disconnect the fuel line from the fuel filter on 5.3 L Suburban, Tahoe, Yukon, Avalanche plus select Silverado and Sierra vehicles
- Can be used on other Flex Fuel systems

LDT8 Master Disconnect Set.
- For spring lock and quick disconnect couplings used on air conditioning and fuel lines on *Ford, GM* and Chrysler® vehicles

LDT6 Disconnect Set.
- Disconnects air conditioning, quick connect fuel lines and spring lock couplings on *Ford* and *Chrysler* AC lines
- Works on fuel lines and other quick disconnect couplings on U.S. and import vehicles
- Angled to access tight spots
- Durable plastic resists fuels and solvents
- Includes 6 sizes from 1/2 to 7/8"

LDT14 Master Plus Disconnect Set.
- Contains all the tools in the LDT8 master disconnect set
- 3/8 and 1/2" Jiffy-Tite® disconnect tools from the LDTSP4 set
- Blue 5/16" fuel line adaptor from the LDTF2 fuel line disconnect set
- Set of 4 air line push pull disconnect tools that work on heavy duty trucks and industrial applications
- Label inside cover of carrying case shows images and applications

FIH9055

YA9457

FIH9056

LDTF2

LDT8

LDT6

LDT14

Steel Line Stoppers (Blue-Point®)

SLS8KT Steel Line Stopper Kit.
- Use to seal steel lines once disconnected
- Prevents fluid leaks and contamination during service
- Use with all automotive fluids
- Installs in seconds

SLS-BANJO Banjo Steel Line Stopper.
- Use to seal banjo fittings on steel lines once disconnected

SLS-38 3/8" Steel Line Stopper.
- Use to seal 3/8" steel lines once disconnected

SLS-516 5/16" Steel Line Stopper.
- Use to seal 5/16" steel lines once disconnected

SLS-12 1/2" Steel Line Stopper.
- Use to seal 1/2" steel lines once disconnected

SLS8KT

SLS-BANJO

SLS-12

SLS-516

SLS-38

WARNING
- Plastic coated handle does not protect against electrical shock
- Read safety precautions on pages W1 to W2

Distributor Service Tools

S8564B

S8176

S9622

S9707

S9609

S9626

S6134

U.S. Distributor Wrenches

Stock No.	Wrench Size, inches
S8564B	1/2
S9707	1/2
M3515	9/16
S8176	9/16
S9609	9/16
S9622	9/16
S9626	9/16

S8564B Distributor Wrench.
- Ford®, Lincoln® and Mercury® engines; clears leads and coils

S9707 Distributor Wrench.
- *Ford*, *Mercury* and Cadillac® engines

M3515 Distributor Wrench.
- GM® V6 and V8 trucks

S8176 Distributor Wrench.
- Pontiac® and Oldsmobile® engines

S9609 Distributor Wrench.
- Chevrolet® V8 engines

S9622 Distributor Wrench.
- 1977 and later full size *GM* cars with V8 engines

S9626 Distributor Wrench.
- *GM* V6 engines

YA2700

ITHE100

IT100

Ignition Testers

YA2700 Ignition Module Tester.
- For testing *Chrysler* 4 pin and 5 pin modules; *GM* 4 pin, 5 pin, and 7 pin modules; plus *Ford* 3 pin and grommet style modules
- LED indicator gives a simple go od or bad reading

ITHE100 Ignition Tester.
- Same as IT100 but for use on HEI systems

IT100 Ignition Tester.
- For standard ignition systems
- Check for spark without removing spark plug from engine
- Testers attach to spark plug lead and spring clip attaches to appropriate ground

Metric Distributor Wrenches

S6134 Metric Distributor Wrench.
- 1982 and later *Cadillac* 4.1 L V8 engines, *GM* 2.8 L V6 engines, and 1985 VW® olf engines
- 15 mm

YA6465

Ignition Tools

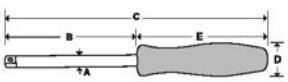
YA6465 Ignition Modulator Wrench for *Ford* Vehicles.
- Use to remove 7/32" (5.5 mm) hex retainer bolts on *Ford* ignition modules
- 1/2" hex drive

ACD12B

Cleaning Brush

ACD12B Distributor Cleaning Brush (Blue-Point®).
- Wire brush cleans terminal connections on distributors and coils
- 5 1/4" long with a 4" long handle
- Wire diameter is .012"

TM63A



Drivers

Stock No.	A	B	C
TM63A	1/4	4 21/32	9 3/16

TM63A Flexible Driver.
- 1/4" drive
- For low torque applications
- For use on Delco-Remy® window type distributors

Oxygen and Fuel Sensor Tools

GANM27

Fuel Sensor Wrenches

GANM27 Fuel Sensor Wrench.
- Use to remove the high pressure fuel sensor on the 3.6 FSI engine found on the *VW* Touareg and CC models plus Audi® Q7
- 12 point crowfoot socket engages every 30° for better access in restricted areas
- Special alloy steel provides the highest match of strength and durability
- 3/8" drive, 27 mm

Oxygen and Fuel Sensor Tools

S6176

S6150

S6154

SWR102

SWR4

SWR1

SWR2

YA1239

YA9385

YA9375A

YA6675

Oxygen Sensor

S6176 Oxygen Sensor Socket.
- For service on most Nissan®, Mazda®, Honda® and Acura® vehicles
- Slotted side clears projections
- 22 mm 1/2" drive, 3 7/8" long

S6150 Oxygen Sensor Wrench.
- Special crowfoot wrench design provides strength necessary for removal/installation
- 12 point, 7/8" wrench size, 1/2" drive
- Nickel-chrome finish

S6154 Oxygen Sensor Wrench.
- For use on oxygen sensors on 2007 *Acura* RDX. 22 mm
- 12 point wrench opening, 1/2" drive
- Nickel-chrome finish

SWR1 Oxygen Sensor Wrench.
- Designed for all oxygen sensors with a 7/8" hex
- Flex head offers essential clearance for removal/installation of oxygen sensors when sensor is positioned upward and inward to the floorboard or when leverage is needed around an exhaust pipe
- Ford® Contours and 4.6 and 5.4 L *Ford* Modular engines used in trucks and SUVs have this application
- Other applications include 7/8" and 22 mm knock sensors used on mid size trucks, SUVs and vans
- Flank Drive® wrenching system for greater applied torque
- Chrome finish for easy cleanup and protection against corrosion
- Compact, low clearance head
- Overall length: 10 3/4". Hex: 7/8" 6 point. Head diameter: 1 9/16". Slot width: 1 5/16"

SWR2 Oxygen Sensor Socket.
- For oxygen sensors located in the exhaust manifolds of 1981 and later cars and light trucks, including VW®
- 3/8" drive with 7/8" hex size
- 1/2" opening for easy access to oxygen sensor
- *Flank Drive* wrenching system for greater applied torque with less effort
- Ball detent in square drive for secure retention
- Industrial finish

SWR4 Oxygen Sensor Wrench.
- Use on oxygen sensors with a 22 mm (7/8") hex
- Bent handle design with flex head offers extra clearance for removal and installation of shielded oxygen sensors and air/fuel sensors
- Chrome finish for easy cleanup and protection against corrosion
- Depth of socket and wall diameter of socket is critical for limited space inside heat shield
- Overall length: 10 3/4". Hex: 7/8" 6 point. Head diameter: 1 3/16". Slot width: 1/2"

Applications
- Toyota®: 2003 and later
- Acura®: 2005 and later
- Lexus®, Honda®, Hyundai® and Kia®: 2006 and later
- Nissan®, Mazda®: 2007 and later

SWR102 Oxygen Sensor Wrench Set.
- SWR1 and SWR2 (2 pcs) in storage tray.

YA1239 Dual Drive Oxygen Sensor Wrench (Blue-Point®).
- 1/2 and 3/8" drive
- Attach 1/2" breaker bar on the end of the tool to initially loosen stuck sensors, use a 3/8" ratchet on the top for fast removal and installation
- Fits oxygen sensor applications with a heat shield
- Slotted body allows clearance for wire harness
- Forged, heat treated steel with 6 point design will withstand high torque removal applications

YA9385 Oxygen Sensor Socket *(Blue-Point).*
- Use to install and remove oxygen and vacuum sensors on most domestic and import vehicles
- Can be used with impact wrench
- 1 1/4" external hex. 19/32" x 2 3/4" slot to clear obstructions, 22 mm, 1/2" drive
- Black industrial finish

YA9375A Oxygen Sensor Wrench *(Blue-Point).*
- For oxygen sensors on *GM* LT1 and LT5 5.7 L V8 engines
- Further applications on 2007 and later Harley-Davidson® motorcycles
- Eliminates need to unhook exhaust system when removing or reinstalling oxygen sensor
- 3/8" drive with 2 1/8" hex size
- Industrial finish

YA6675 Shielded Oxygen Sensor Socket *(Blue-Point).*
- For use on late model *Toyota* and *Lexus*
- Depth and outer diameter are critical for limited space inside heat shield
- 12 point double hex
- Forged for maximum strength

YA6775 Oxygen Sensor Wrench *(Blue-Point)*.
- Designed for use with most oxygen sensors no matter what size electrical connectors they have
- Double sided design, 6 and 12 point configuration
- Pivoting handle design allows positive leverage in confined areas

YA6775

WARNING
- Do not use chrome or industry finish hard tools with impact drivers
- Do not use cheater bars on handles • Read safety precautions on pages W1 to W4